


| STATE OF UTAH<br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS AND MINING  |           |                   |  |   |  | FORM 3<br>AMENDED REPORT <input type="checkbox"/>  |                             |          |       |        |
|--|-----------|-------------------|--|---|--|--|-----------------------------|----------|-------|--------|
| <b>APPLICATION FOR PERMIT TO DRILL</b>   |           |                   |  |   |  | 1. WELL NAME and NUMBER<br>Ute Tribal 2-4-4-4W   |                             |          |       |        |
| 2. TYPE OF WORK<br>DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> |           |                   |  |   |  | 3. FIELD OR WILDCAT<br>UNDESIGNATED  |                             |          |       |        |
| 4. TYPE OF WELL<br>Oil Well Coalbed Methane Well: NO   |           |                   |  |   |  | 5. UNIT or COMMUNITIZATION AGREEMENT NAME  |                             |          |       |        |
| 6. NAME OF OPERATOR<br>NEWFIELD PRODUCTION COMPANY   |           |                   |  |   |  | 7. OPERATOR PHONE<br>435 646-4825  |                             |          |       |        |
| 8. ADDRESS OF OPERATOR<br>Rt 3 Box 3630 , Myton, UT, 84052   |           |                   |  |   |  | 9. OPERATOR E-MAIL<br>mcrozier@newfield.com  |                             |          |       |        |
| 10. MINERAL LEASE NUMBER<br>(FEDERAL, INDIAN, OR STATE)<br>14-20-H62-6276  |           |                   | 11. MINERAL OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>       |   |  | 12. SURFACE OWNERSHIP<br>FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |                             |          |       |        |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee')<br>D. Milton and Karen Moon  |           |                   |  |   |  | 14. SURFACE OWNER PHONE (if box 12 = 'fee')  |                             |          |       |        |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')<br>1158 N 1190 E, ,   |           |                   |  |   |  | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee')   |                             |          |       |        |
| 17. INDIAN ALLOTTEE OR TRIBE NAME<br>(if box 12 = 'INDIAN')  |           |                   | 18. INTEND TO COMMINGLE PRODUCTION FROM<br>MULTIPLE FORMATIONS<br>YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> |   |  | 19. SLANT<br>VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>                               |                             |          |       |        |
| 20. LOCATION OF WELL   |           | FOOTAGES          |  | QTR-QTR   | SECTION  | TOWNSHIP   | RANGE                       | MERIDIAN |       |        |
| LOCATION AT SURFACE  |           | 1945 FNL 654 FEL  |  | SENE  |  | 4.0 S  | 4.0 W                       | U        |       |        |
| Top of Uppermost Producing Zone  |           | 1296 FNL 1572 FEL |  | NWNE  | 4  | 4.0 S  | 4.0 W                       | U        |       |        |
| At Total Depth   |           | 700 FNL 2320 FEL  |  | NWNE  | 4  | 4.0 S  | 4.0 W                       | U        |       |        |
| 21. COUNTY<br>DUCESNE  |           |                   | 22. DISTANCE TO NEAREST LEASE LINE (Feet)<br>100   |   |  | 23. NUMBER OF ACRES IN DRILLING UNIT<br>40   |                             |          |       |        |
|  |           |                   | 25. DISTANCE TO NEAREST WELL IN SAME POOL<br>(Approved For Drilling or Completed)<br>2942  |   |  | 26. PROPOSED DEPTH<br>MD: 9355 TVD: 9100   |                             |          |       |        |
| 27. ELEVATION - GROUND LEVEL<br>5643   |           |                   | 28. BOND NUMBER<br>RLB0010462  |   |  | 29. SOURCE OF DRILLING WATER /<br>WATER RIGHTS APPROVAL NUMBER IF APPLICABLE<br>437478   |                             |          |       |        |
| <b>Hole, Casing, and Cement Information</b>  |           |                   |  |   |  |  |                             |          |       |        |
| String   | Hole Size | Casing Size       | Length   | Weight  | Grade & Thread   | Max Mud Wt.  | Cement                      | Sacks    | Yield | Weight |
| Surf   | 12.25     | 8.625             | 0 - 500  | 24.0  | J-55 ST&C  | 8.3  | Class G                     | 229      | 1.17  | 15.8   |
| Prod   | 7.875     | 5.5               | 0 - 9355   | 15.5  | N-80 LT&C  | 8.3  | Premium Lite High Strength  | 437      | 3.26  | 11.0   |
|  |           |                   |  |   |  |  | 50/50 Poz                   | 550      | 1.24  | 14.3   |
| <b>ATTACHMENTS</b>   |           |                   |  |   |  |  |                             |          |       |        |
| <b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>  |           |                   |  |   |  |  |                             |          |       |        |
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER   |           |                   |  |   | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                 |  |                             |          |       |        |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)  |           |                   |  |   | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |  |                             |          |       |        |
| <input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)   |           |                   |  |   | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP                      |  |                             |          |       |        |
| NAME Mandie Crozier  |           |                   |  | TITLE Regulatory Tech   |  |  | PHONE 435 646-4825          |          |       |        |
| SIGNATURE  |           |                   |  | DATE 08/25/2011   |  |  | EMAIL mcrozier@newfield.com |          |       |        |
| API NUMBER ASSIGNED<br>43013509300000  |           |                   |  | APPROVAL<br><br>Permit Manager |  |  |                             |          |       |        |

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 2-4-4-4W  
AT SURFACE: SE/NE SECTION 4, T4S, R4W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**DRILLING PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

|             |        |
|-------------|--------|
| Green River | 3,105' |
| Wasatch     | 8,085' |
| TVD         | 9,100' |
| MD          | 9,355' |

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

|                             |                 |
|-----------------------------|-----------------|
| Green River Formation (Oil) | 3,105' – 8,085' |
| Wasatch Formation (Oil)     | 8,085' – TD     |

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 275'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

|  |   |
|--|---|
| Location & Sampled Interval                        | Date Sampled                                  |
| Flow Rate  | Temperature                                   |
| Hardness   | pH  |
| Water Classification (State of Utah)               | Dissolved Calcium (Ca) (mg/l)                 |
| Dissolved Iron (Fe) (ug/l)                         | Dissolved Sodium (Na) (mg/l)                  |
| Dissolved Magnesium (Mg) (mg/l)                    | Dissolved Carbonate (CO <sub>3</sub> ) (mg/l) |
| Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l) | Dissolved Chloride (Cl) (mg/l)                |
| Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)        | Dissolved Total Solids (TDS) (mg/l)           |

#### 4. PROPOSED CASING PROGRAM

##### a. Casing Design

| Description    | Interval |        | Weight (lb/ft) | Grade | Coupling | Pore Press @ Shoe | MW @ Shoe | Frac Grad @ Shoe | Design Factors |          |         |
|----------------|----------|--------|----------------|-------|----------|-------------------|-----------|------------------|----------------|----------|---------|
|                | Top      | Btm    |                |       |          |                   |           |                  | Burst          | Collapse | Tension |
| Surface 8-5/8" | 0'       | 500'   | 24.0           | J-55  | STC      | 8.33              | 8.33      | 12.0             | 10.52          | 8.61     | 20.33   |
| Prod 5-1/2"    | 0'       | 9,355' | 17.0           | N-80  | LTC      | 8.5               | 9.0       | -                | 2.60           | 2.11     | 2.19    |

Assumptions:

- 1) Surface casing MASP = (frac gradient + 1.0 ppg) - gas gradient
- 2) Production casing MASP (production mode) = reservoir pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing
- 4) All tension calculations assume air weight of casing

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

##### b. Cement Design

| Job              | Hole Size | Fill   | Description  | FT <sup>3</sup> Sacks | OH Excess | Weight (ppg) | Yield (ft <sup>3</sup> /sk) |
|------------------|-----------|--------|--|-----------------------|-----------|--------------|-----------------------------|
| Surface Casing   | 12-1/4"   | 500'   | Class G w/ 2% CaCl <sub>2</sub>                                  | 268<br>229            | 30%       | 15.8         | 1.17                        |
| Prod Casing Lead | 7-7/8"    | 6,330' | Prem Lite II w/ 3% KCl, 10% Bentonite (or equivalent cement)     | 1426<br>437           | 30%       | 11.0         | 3.26                        |
| Prod Casing Tail | 7-7/8"    | 3,025' | 50/50 Poz Class G w/ 3% KCl, 2% Bentonite (or equivalent cement) | 681<br>550            | 30%       | 14.3         | 1.24                        |

\*Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM Office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if

the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

The minimum diameter for conductor pipe shall be 13 3/8".

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The minimum specifications for pressure control equipment will be a standard 3M System:

A 3000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and an annular preventer per **Exhibit C**.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system, and individual components shall be operable as designed.

Choke Manifold - The minimum equipment requirements are shown in **Exhibit C**. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure..

Drillstring Control Devices - An upper and lower kelly valve, drillstring safety valve including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drillstring valves shall be rated to the required BOP WP.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to  $\pm 500$  feet will be drilled with an air/mist system. The air rig is equipped with a 6 1/2" blooie line that is straight run and securely anchored. The blooie line is used with a discharge

less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about  $\pm 500$  feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

8. **TESTING, LOGGING AND CORING PROGRAMS:**

a. **Logging Program:**

(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: TD - 4,800'

CBL: A cement bond log will be run from TD to the cement top of the production casing.  
A field copy will be submitted to the Vernal BLM Office.

b. **Cores:** As deemed necessary.

c. **Drill Stem Tests:** No DSTs are planned in the Green River/Wasatch section.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total depth in feet multiplied by a 0.45 psi/foot gradient.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

a. **Drilling Activity**

Anticipated Commencement Date:

Upon approval of the site specific APD.

Drilling Days:

Approximately 15 days.

Completion Days:

Approximately 12 - 20 days.

**b. Notification of Operations**

The Vernal BLM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

**Immediate Report:** Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or BLM policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the BLM before resumption of operations.

Daily drilling and completion reports shall be submitted to the Vernal BLM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing.. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the Vernal BLM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

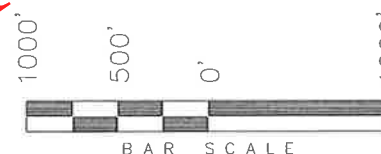
Newfield requests approval for all variances to Onshore Oil and Gas Order No. 2 as sited in Section 9.0 of the Ute Tribe Green River Development Standard Operation Procedure (SOP).



**T4S, R4W, U.S.B.&M.****NEWFIELD EXPLORATION COMPANY**

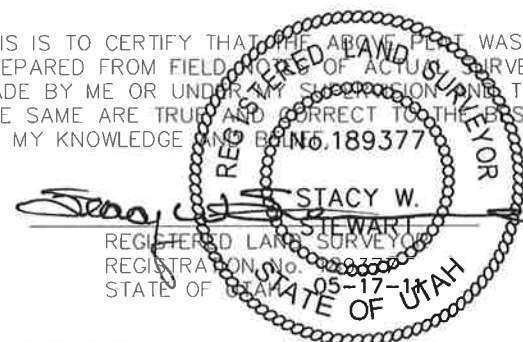
WELL LOCATION, 2-4-4-4W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 4, T4S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

WELL LOCATION, 2-4-4-4W, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 (LOT 2) OF SECTION 4, T4S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

**NOTES:**

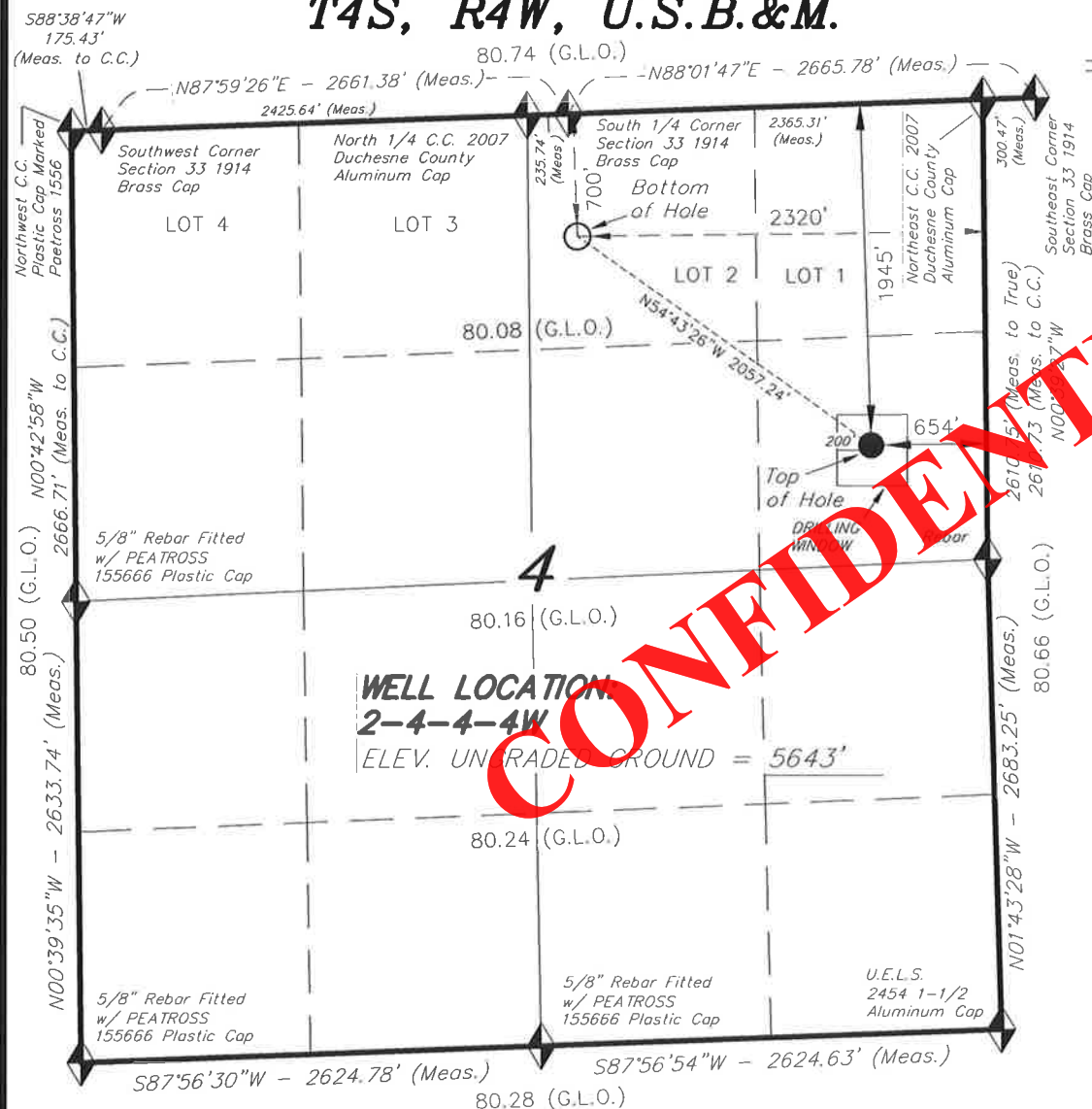
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                            |                     |          |
|----------------------------|---------------------|----------|
| DATE SURVEYED:<br>12-28-10 | SURVEYED BY: C.D.S. | VERSION: |
| DATE DRAWN:<br>03-17-11    | DRAWN BY: M.W.      | V1       |
| REVISED:                   | SCALE: 1" = 1000'   |          |

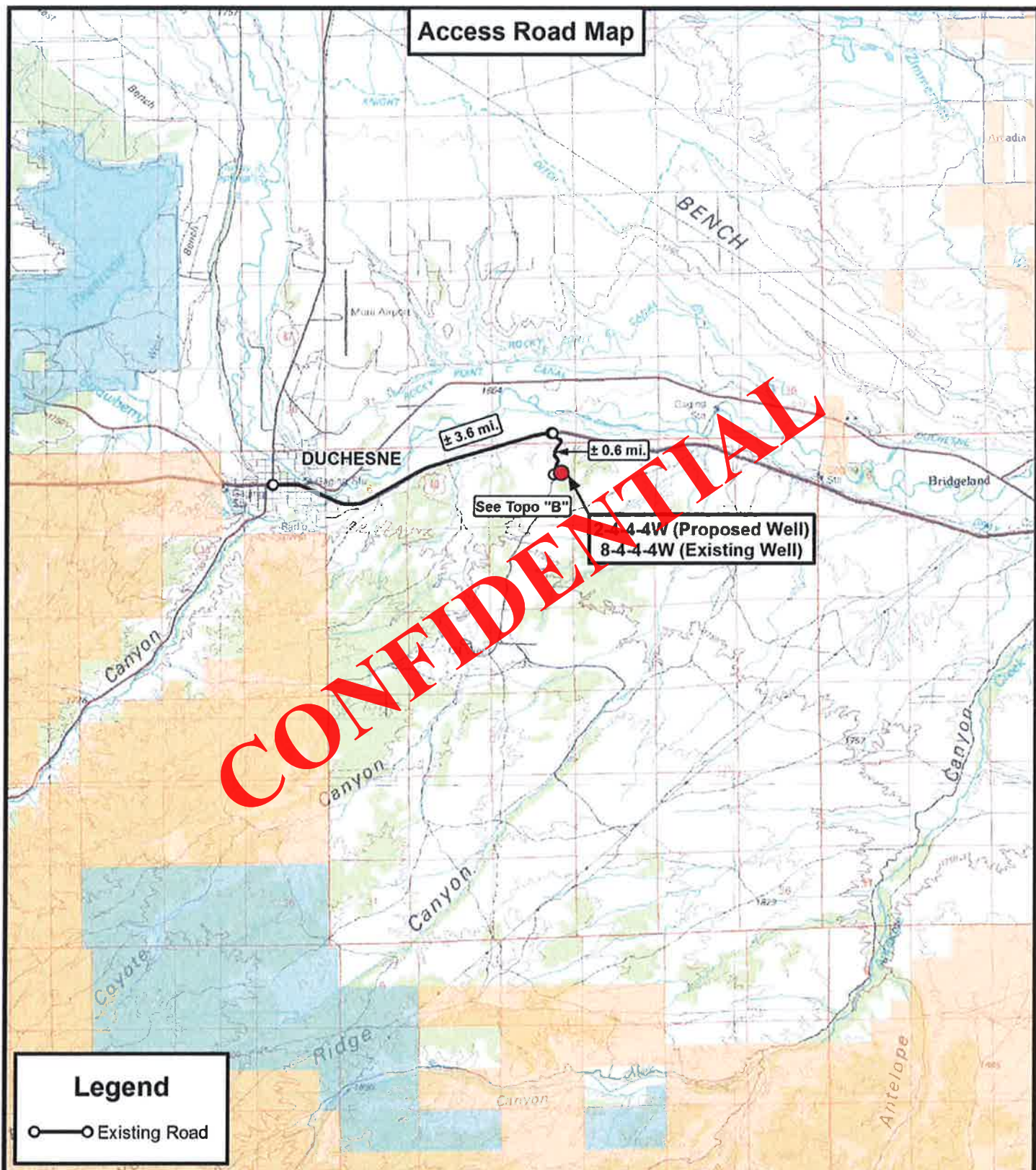


◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

**2-4-4-4W**  
(Surface Location) NAD 83  
LATITUDE = 40° 09' 54.13"  
LONGITUDE = 110° 20' 06.90"





**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

N



**NEWFIELD EXPLORATION COMPANY**

2-4-4W (Proposed Well)

8-4-4W (Existing Well)

SEC. 4, T4S, R4W, U.S.B.&M.

Duchesne County, UT.

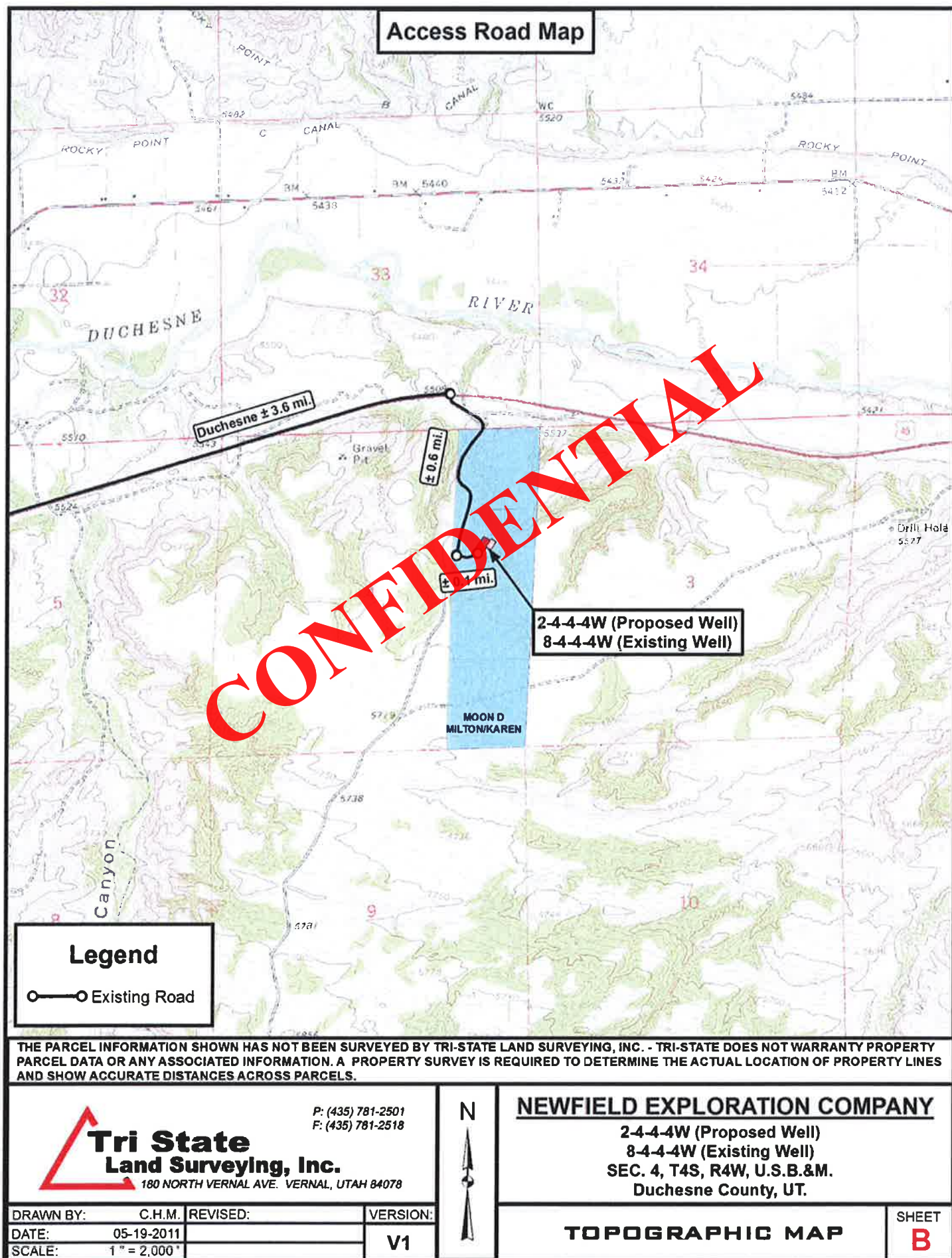
|           |            |          |          |
|-----------|------------|----------|----------|
| DRAWN BY: | C.H.M.     | REVISED: | VERSION: |
| DATE:     | 05-19-2011 |          | V1       |
| SCALE:    | 1:100,000  |          |          |

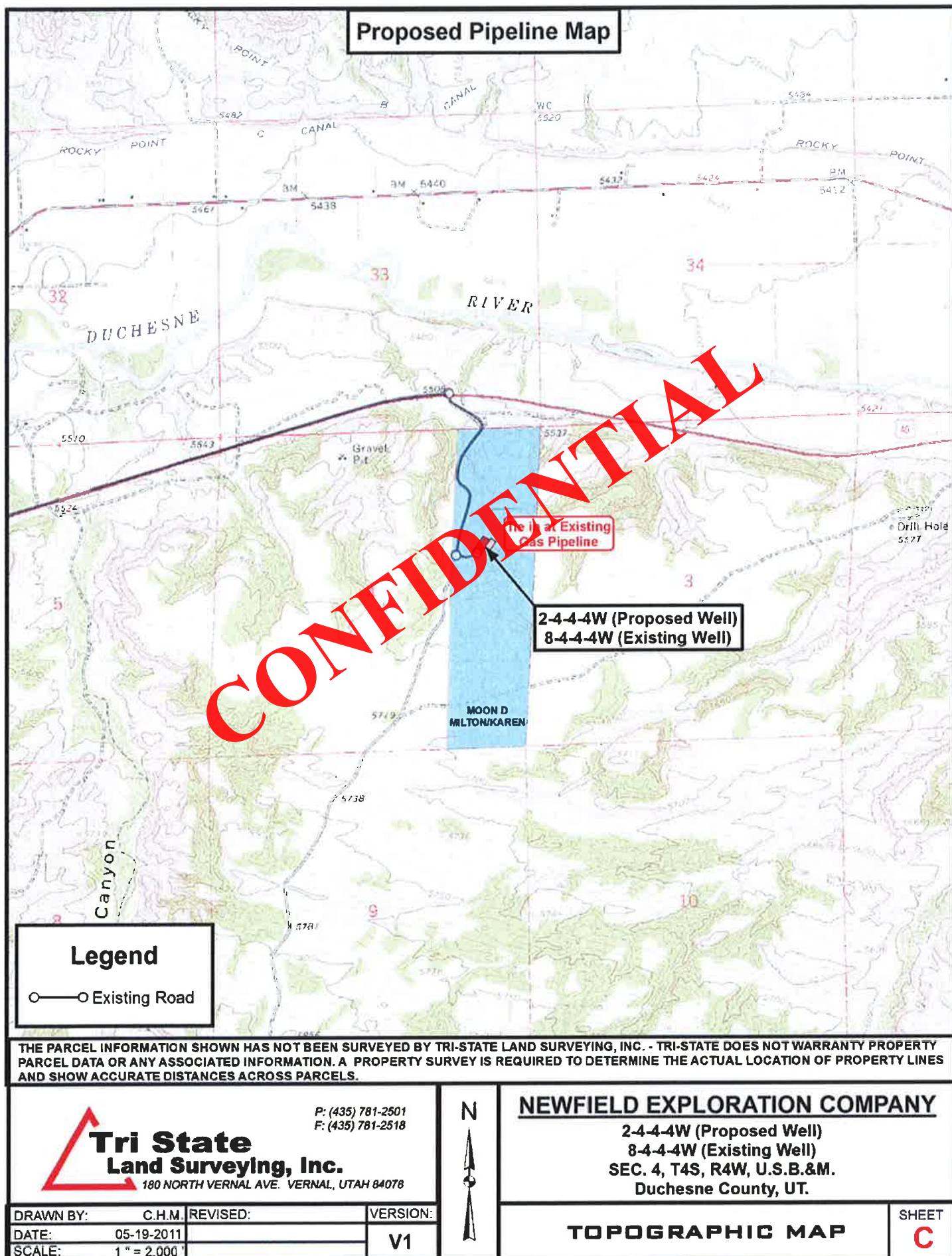
**TOPOGRAPHIC MAP**

SHEET

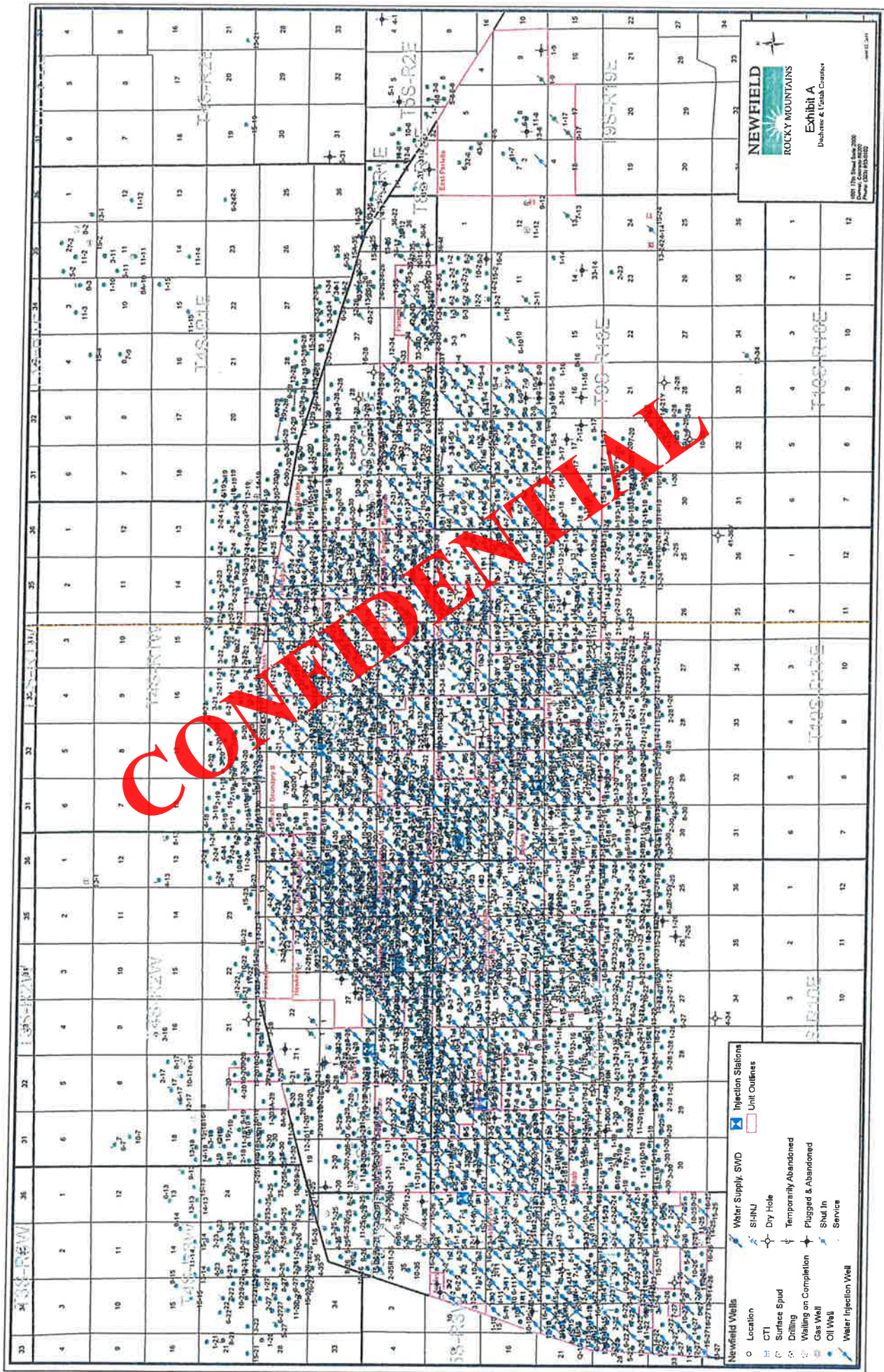
**A**



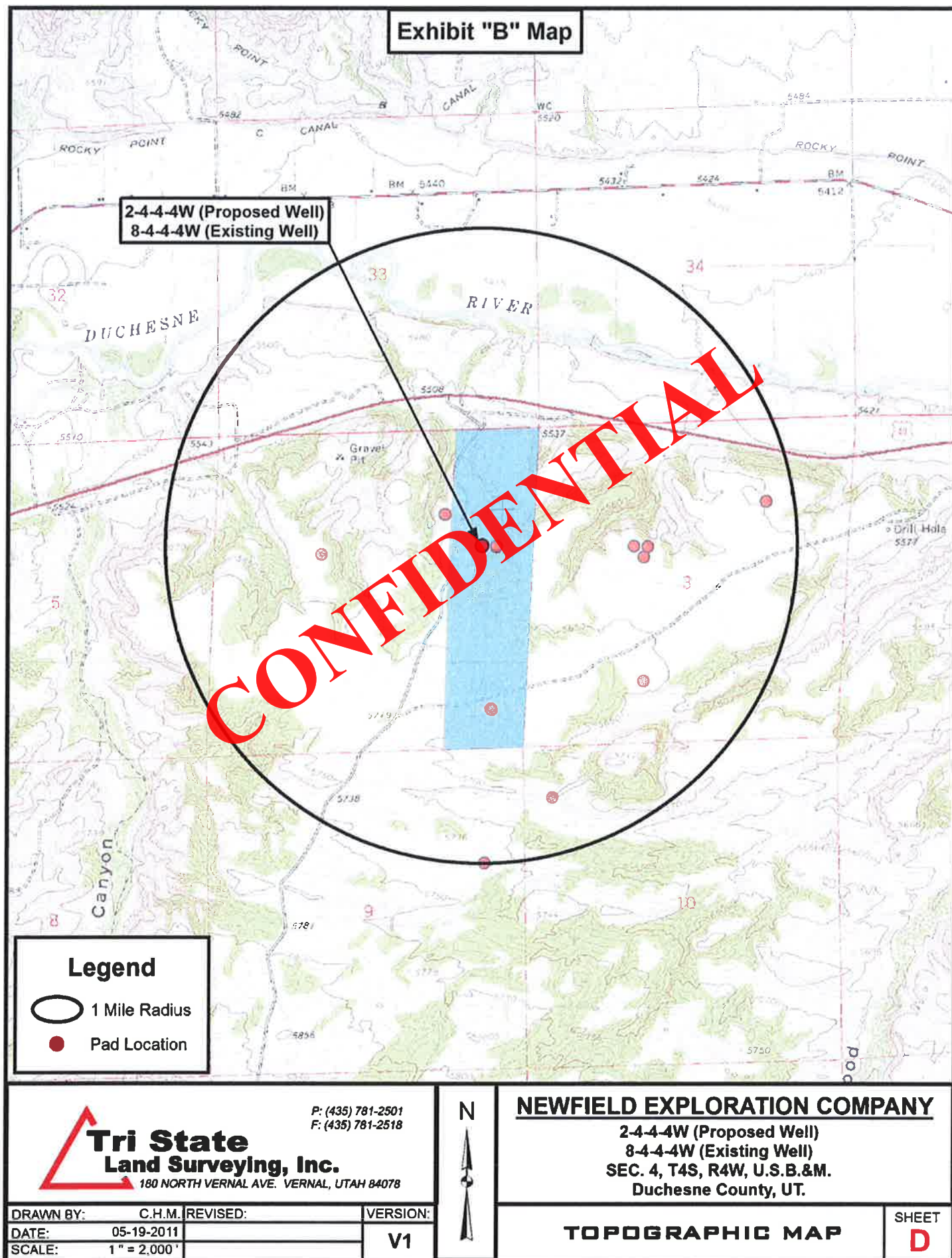














## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)  
SECTION 4 T4S, R4W  
2-4-4-4W**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**23 August 2011**

**CONFIDENTIAL**





## PayZone Directional Services, LLC.

## Planning Report



|                  |                            |                                     |  |
|------------------|----------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 2-4-4-4W                            |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Site:</b>     | SECTION 4 T4S, R4W         | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | 2-4-4-4W                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |  |
| <b>Design:</b>   | Design #1                  |                                     |  |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA |                      |                |
| <b>Map System:</b> | US State Plane 1983                          | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983                    |                      |                |
| <b>Map Zone:</b>   | Utah Central Zone                            |                      |                |

| Site                  |  |           |  |                 |  | SECTION 4 T4S, R4W |  |                   |  |                   |  |
|-----------------------|--|-----------|--|-----------------|--|--------------------|--|-------------------|--|-------------------|--|
| Site Position:        |  | Northing: |  | 7,230,000.00 ft |  | Latitude:          |  | 40° 9' 44.901 N   |  |                   |  |
| From:                 |  | Map       |  | Easting:        |  | 1,964,000.00 ft    |  | Longitude:        |  | 110° 20' 31.699 W |  |
| Position Uncertainty: |  | 0.0 ft    |  | Slot Radius:    |  | "                  |  | Grid Convergence: |  | 0.74 °            |  |

|                      |  |            |                     |                 |               |                  |
|----------------------|--|------------|---------------------|-----------------|---------------|------------------|
| Well                 | 2-4-4-4W, SHL LAT: 40 09 54.13 LONG: -110 20 06.90 |            |                     |                 |               |                  |
| Well Position        | +N/-S  | 933.7 ft   | Northing:           | 7,230,958.74 ft | Latitude:     | 40° 9' 54.130 N  |
|                      | +E/-W  | 1,925.2 ft | Easting:            | 1,965,912.83 ft | Longitude:    | 110° 20' 6.900 W |
| Position Uncertainty |  | 0.0 ft     | Wellhead Elevation: | 5,655.0 ft      | Ground Level: | 5,643.0 ft       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 2011/08/23         | 11.42                  | 65.84                | 52,277                     |

|                          |                         |                   |                      |                      |
|--------------------------|-------------------------|-------------------|----------------------|----------------------|
| <b>Design</b>            | Design #1               |                   |                      |                      |
| <b>Audit Notes:</b>      |                         |                   |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>           | PROTOTYPE         | <b>Tie On Depth:</b> | 0.0                  |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b>    | <b>Direction (°)</b> |
|                          | 0.0                     | 0.0               | 0.0                  | 305.28               |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |              |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|--------------|
| Measured Depth (ft)  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target       |
| 0.0                  | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |              |
| 600.0                | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |              |
| 1,559.4              | 14.39           | 305.28      | 1,549.3             | 69.2       | -97.8      | 1.50                  | 1.50                 | 0.00                | 305.28  |              |
| 9,354.6              | 14.39           | 305.28      | 9,100.0             | 1,188.2    | -1,679.4   | 0.00                  | 0.00                 | 0.00                | 0.00    | 2-4-4-4W TGT |





## PayZone Directional Services, LLC.

## Planning Report



|                  |                            |                                     |  |
|------------------|----------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 2-4-4-4W                            |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Site:</b>     | SECTION 4 T4S, R4W         | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | 2-4-4-4W                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |  |
| <b>Design:</b>   | Design #1                  |                                     |  |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 100.0               | 0.00            | 0.00        | 100.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0               | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 300.0               | 0.00            | 0.00        | 300.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0               | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 500.0               | 0.00            | 0.00        | 500.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0               | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 700.0               | 1.50            | 305.28      | 700.0               | 0.8        | -1.1       | 1.6                   | 1.50                  | 1.50                 | 0.00                |
| 800.0               | 3.00            | 305.28      | 799.9               | 3.0        | -4.3       | 5.2                   | 1.50                  | 1.50                 | 0.00                |
| 900.0               | 4.50            | 305.28      | 899.7               | 6.8        | -9.6       | 11.8                  | 1.50                  | 1.50                 | 0.00                |
| 1,000.0             | 6.00            | 305.28      | 999.3               | 12.1       | -17.1      | 20.9                  | 1.50                  | 1.50                 | 0.00                |
| 1,100.0             | 7.50            | 305.28      | 1,098.6             | 18.9       | -26.7      | 32.7                  | 1.50                  | 1.50                 | 0.00                |
| 1,200.0             | 9.00            | 305.28      | 1,197.5             | 27.2       | -38.4      | 47.0                  | 1.50                  | 1.50                 | 0.00                |
| 1,300.0             | 10.50           | 305.28      | 1,296.1             | 36.9       | -52.2      | 64.0                  | 1.50                  | 1.50                 | 0.00                |
| 1,400.0             | 12.00           | 305.28      | 1,394.2             | 48.2       | -68.1      | 83.5                  | 1.50                  | 1.50                 | 0.00                |
| 1,500.0             | 13.50           | 305.28      | 1,491.7             | 61.0       | -86.2      | 105.5                 | 1.50                  | 1.50                 | 0.00                |
| 1,559.4             | 14.39           | 305.28      | 1,549.6             | 69.2       | -97.8      | 119.9                 | 1.50                  | 1.50                 | 0.00                |
| 1,600.0             | 14.39           | 305.28      | 1,598.7             | 75.1       | -106.1     | 129.9                 | 0.00                  | 0.00                 | 0.00                |
| 1,700.0             | 14.39           | 305.28      | 1,685.9             | 89.4       | -126.4     | 154.8                 | 0.00                  | 0.00                 | 0.00                |
| 1,800.0             | 14.39           | 305.28      | 1,782.4             | 103.8      | -146.7     | 179.7                 | 0.00                  | 0.00                 | 0.00                |
| 1,900.0             | 14.39           | 305.28      | 1,879.3             | 118.1      | -166.9     | 204.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,000.0             | 14.39           | 305.28      | 1,976.1             | 132.5      | -187.2     | 229.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,100.0             | 14.39           | 305.28      | 2,073.0             | 146.8      | -207.5     | 254.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,200.0             | 14.39           | 305.28      | 2,169.8             | 161.2      | -227.8     | 279.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,300.0             | 14.39           | 305.28      | 2,266.7             | 175.5      | -248.1     | 303.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,400.0             | 14.39           | 305.28      | 2,363.6             | 189.9      | -268.4     | 328.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,500.0             | 14.39           | 305.28      | 2,460.4             | 204.2      | -288.7     | 353.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0             | 14.39           | 305.28      | 2,557.3             | 218.6      | -309.0     | 378.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,700.0             | 14.39           | 305.28      | 2,654.2             | 233.0      | -329.3     | 403.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,800.0             | 14.39           | 305.28      | 2,751.0             | 247.3      | -349.5     | 428.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,900.0             | 14.39           | 305.28      | 2,847.9             | 261.7      | -369.8     | 453.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,000.0             | 14.39           | 305.28      | 2,944.7             | 276.0      | -390.1     | 477.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,100.0             | 14.39           | 305.28      | 3,041.6             | 290.4      | -410.4     | 502.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,200.0             | 14.39           | 305.28      | 3,138.5             | 304.7      | -430.7     | 527.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,300.0             | 14.39           | 305.28      | 3,235.3             | 319.1      | -451.0     | 552.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,400.0             | 14.39           | 305.28      | 3,332.2             | 333.4      | -471.3     | 577.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,500.0             | 14.39           | 305.28      | 3,429.1             | 347.8      | -491.6     | 602.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,600.0             | 14.39           | 305.28      | 3,525.9             | 362.1      | -511.9     | 627.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,700.0             | 14.39           | 305.28      | 3,622.8             | 376.5      | -532.1     | 651.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0             | 14.39           | 305.28      | 3,719.6             | 390.9      | -552.4     | 676.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,900.0             | 14.39           | 305.28      | 3,816.5             | 405.2      | -572.7     | 701.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0             | 14.39           | 305.28      | 3,913.4             | 419.6      | -593.0     | 726.4                 | 0.00                  | 0.00                 | 0.00                |
| 4,100.0             | 14.39           | 305.28      | 4,010.2             | 433.9      | -613.3     | 751.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0             | 14.39           | 305.28      | 4,107.1             | 448.3      | -633.6     | 776.1                 | 0.00                  | 0.00                 | 0.00                |
| 4,300.0             | 14.39           | 305.28      | 4,204.0             | 462.6      | -653.9     | 801.0                 | 0.00                  | 0.00                 | 0.00                |
| 4,400.0             | 14.39           | 305.28      | 4,300.8             | 477.0      | -674.2     | 825.8                 | 0.00                  | 0.00                 | 0.00                |
| 4,500.0             | 14.39           | 305.28      | 4,397.7             | 491.3      | -694.5     | 850.7                 | 0.00                  | 0.00                 | 0.00                |
| 4,600.0             | 14.39           | 305.28      | 4,494.5             | 505.7      | -714.7     | 875.5                 | 0.00                  | 0.00                 | 0.00                |
| 4,700.0             | 14.39           | 305.28      | 4,591.4             | 520.0      | -735.0     | 900.4                 | 0.00                  | 0.00                 | 0.00                |
| 4,800.0             | 14.39           | 305.28      | 4,688.3             | 534.4      | -755.3     | 925.3                 | 0.00                  | 0.00                 | 0.00                |
| 4,900.0             | 14.39           | 305.28      | 4,785.1             | 548.8      | -775.6     | 950.1                 | 0.00                  | 0.00                 | 0.00                |
| 5,000.0             | 14.39           | 305.28      | 4,882.0             | 563.1      | -795.9     | 975.0                 | 0.00                  | 0.00                 | 0.00                |
| 5,100.0             | 14.39           | 305.28      | 4,978.9             | 577.5      | -816.2     | 999.8                 | 0.00                  | 0.00                 | 0.00                |
| 5,200.0             | 14.39           | 305.28      | 5,075.7             | 591.8      | -836.5     | 1,024.7               | 0.00                  | 0.00                 | 0.00                |



## PayZone Directional Services, LLC.

## Planning Report



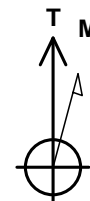
|                  |                            |                                     |  |
|------------------|----------------------------|-------------------------------------|--|
| <b>Database:</b> | EDM 2003.21 Single User Db | <b>Local Co-ordinate Reference:</b> | Well 2-4-4-4W                            |
| <b>Company:</b>  | NEWFIELD EXPLORATION       | <b>TVD Reference:</b>               | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Project:</b>  | USGS Myton SW (UT)         | <b>MD Reference:</b>                | 2-4-4-4W @ 5655.0ft (Original Well Elev) |
| <b>Site:</b>     | SECTION 4 T4S, R4W         | <b>North Reference:</b>             | True                                     |
| <b>Well:</b>     | 2-4-4-4W                   | <b>Survey Calculation Method:</b>   | Minimum Curvature                        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |  |
| <b>Design:</b>   | Design #1                  |                                     |  |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,300.0             | 14.39           | 305.28      | 5,172.6             | 606.2      | -856.8     | 1,049.5               | 0.00                  | 0.00                 | 0.00                |
| 5,400.0             | 14.39           | 305.28      | 5,269.4             | 620.5      | -877.1     | 1,074.4               | 0.00                  | 0.00                 | 0.00                |
| 5,500.0             | 14.39           | 305.28      | 5,366.3             | 634.9      | -897.3     | 1,099.2               | 0.00                  | 0.00                 | 0.00                |
| 5,600.0             | 14.39           | 305.28      | 5,463.2             | 649.2      | -917.6     | 1,124.1               | 0.00                  | 0.00                 | 0.00                |
| 5,700.0             | 14.39           | 305.28      | 5,560.0             | 663.6      | -937.9     | 1,148.9               | 0.00                  | 0.00                 | 0.00                |
| 5,800.0             | 14.39           | 305.28      | 5,656.9             | 677.9      | -958.2     | 1,173.8               | 0.00                  | 0.00                 | 0.00                |
| 5,900.0             | 14.39           | 305.28      | 5,753.7             | 692.3      | -978.5     | 1,198.6               | 0.00                  | 0.00                 | 0.00                |
| 6,000.0             | 14.39           | 305.28      | 5,850.6             | 706.7      | -998.8     | 1,223.5               | 0.00                  | 0.00                 | 0.00                |
| 6,100.0             | 14.39           | 305.28      | 5,947.5             | 721.0      | -1,019.1   | 1,248.3               | 0.00                  | 0.00                 | 0.00                |
| 6,200.0             | 14.39           | 305.28      | 6,044.3             | 735.4      | -1,039.4   | 1,273.2               | 0.00                  | 0.00                 | 0.00                |
| 6,300.0             | 14.39           | 305.28      | 6,141.2             | 749.7      | -1,059.7   | 1,298.1               | 0.00                  | 0.00                 | 0.00                |
| 6,400.0             | 14.39           | 305.28      | 6,238.1             | 764.1      | -1,079.9   | 1,322.9               | 0.00                  | 0.00                 | 0.00                |
| 6,500.0             | 14.39           | 305.28      | 6,334.9             | 778.4      | -1,100.2   | 1,347.8               | 0.00                  | 0.00                 | 0.00                |
| 6,600.0             | 14.39           | 305.28      | 6,431.8             | 792.8      | -1,120.5   | 1,372.6               | 0.00                  | 0.00                 | 0.00                |
| 6,700.0             | 14.39           | 305.28      | 6,528.6             | 807.1      | -1,140.8   | 1,397.5               | 0.00                  | 0.00                 | 0.00                |
| 6,800.0             | 14.39           | 305.28      | 6,625.5             | 821.5      | -1,161.1   | 1,422.3               | 0.00                  | 0.00                 | 0.00                |
| 6,900.0             | 14.39           | 305.28      | 6,722.4             | 835.8      | -1,181.4   | 1,447.2               | 0.00                  | 0.00                 | 0.00                |
| 7,000.0             | 14.39           | 305.28      | 6,819.2             | 850.2      | -1,201.7   | 1,472.0               | 0.00                  | 0.00                 | 0.00                |
| 7,100.0             | 14.39           | 305.28      | 6,916.1             | 864.6      | -1,222.0   | 1,496.9               | 0.00                  | 0.00                 | 0.00                |
| 7,200.0             | 14.39           | 305.28      | 7,013.0             | 878.9      | -1,242.3   | 1,521.7               | 0.00                  | 0.00                 | 0.00                |
| 7,300.0             | 14.39           | 305.28      | 7,109.8             | 893.3      | -1,262.5   | 1,546.6               | 0.00                  | 0.00                 | 0.00                |
| 7,400.0             | 14.39           | 305.28      | 7,206.7             | 907.6      | -1,282.8   | 1,571.4               | 0.00                  | 0.00                 | 0.00                |
| 7,500.0             | 14.39           | 305.28      | 7,303.5             | 922.0      | -1,303.1   | 1,596.3               | 0.00                  | 0.00                 | 0.00                |
| 7,600.0             | 14.39           | 305.28      | 7,400.4             | 936.3      | -1,323.4   | 1,621.2               | 0.00                  | 0.00                 | 0.00                |
| 7,700.0             | 14.39           | 305.28      | 7,497.3             | 950.7      | -1,343.7   | 1,646.0               | 0.00                  | 0.00                 | 0.00                |
| 7,800.0             | 14.39           | 305.28      | 7,594.1             | 965.0      | -1,364.0   | 1,670.9               | 0.00                  | 0.00                 | 0.00                |
| 7,900.0             | 14.39           | 305.28      | 7,691.0             | 979.4      | -1,384.3   | 1,695.7               | 0.00                  | 0.00                 | 0.00                |
| 8,000.0             | 14.39           | 305.28      | 7,787.9             | 993.8      | -1,404.6   | 1,720.6               | 0.00                  | 0.00                 | 0.00                |
| 8,100.0             | 14.39           | 305.28      | 7,884.7             | 1,008.1    | -1,424.9   | 1,745.4               | 0.00                  | 0.00                 | 0.00                |
| 8,200.0             | 14.39           | 305.28      | 7,981.6             | 1,022.5    | -1,445.1   | 1,770.3               | 0.00                  | 0.00                 | 0.00                |
| 8,300.0             | 14.39           | 305.28      | 8,078.4             | 1,036.8    | -1,465.4   | 1,795.1               | 0.00                  | 0.00                 | 0.00                |
| 8,400.0             | 14.39           | 305.28      | 8,175.3             | 1,051.2    | -1,485.7   | 1,820.0               | 0.00                  | 0.00                 | 0.00                |
| 8,500.0             | 14.39           | 305.28      | 8,272.2             | 1,065.5    | -1,506.0   | 1,844.8               | 0.00                  | 0.00                 | 0.00                |
| 8,600.0             | 14.39           | 305.28      | 8,369.0             | 1,079.9    | -1,526.3   | 1,869.7               | 0.00                  | 0.00                 | 0.00                |
| 8,700.0             | 14.39           | 305.28      | 8,465.9             | 1,094.2    | -1,546.6   | 1,894.5               | 0.00                  | 0.00                 | 0.00                |
| 8,800.0             | 14.39           | 305.28      | 8,562.8             | 1,108.6    | -1,566.9   | 1,919.4               | 0.00                  | 0.00                 | 0.00                |
| 8,900.0             | 14.39           | 305.28      | 8,659.6             | 1,122.9    | -1,587.2   | 1,944.2               | 0.00                  | 0.00                 | 0.00                |
| 9,000.0             | 14.39           | 305.28      | 8,756.5             | 1,137.3    | -1,607.5   | 1,969.1               | 0.00                  | 0.00                 | 0.00                |
| 9,100.0             | 14.39           | 305.28      | 8,853.3             | 1,151.7    | -1,627.7   | 1,994.0               | 0.00                  | 0.00                 | 0.00                |
| 9,200.0             | 14.39           | 305.28      | 8,950.2             | 1,166.0    | -1,648.0   | 2,018.8               | 0.00                  | 0.00                 | 0.00                |
| 9,300.0             | 14.39           | 305.28      | 9,047.1             | 1,180.4    | -1,668.3   | 2,043.7               | 0.00                  | 0.00                 | 0.00                |
| 9,354.6             | 14.39           | 305.28      | 9,100.0             | 1,188.2    | -1,679.4   | 2,057.2               | 0.00                  | 0.00                 | 0.00                |

API Well Number: 43013509300000



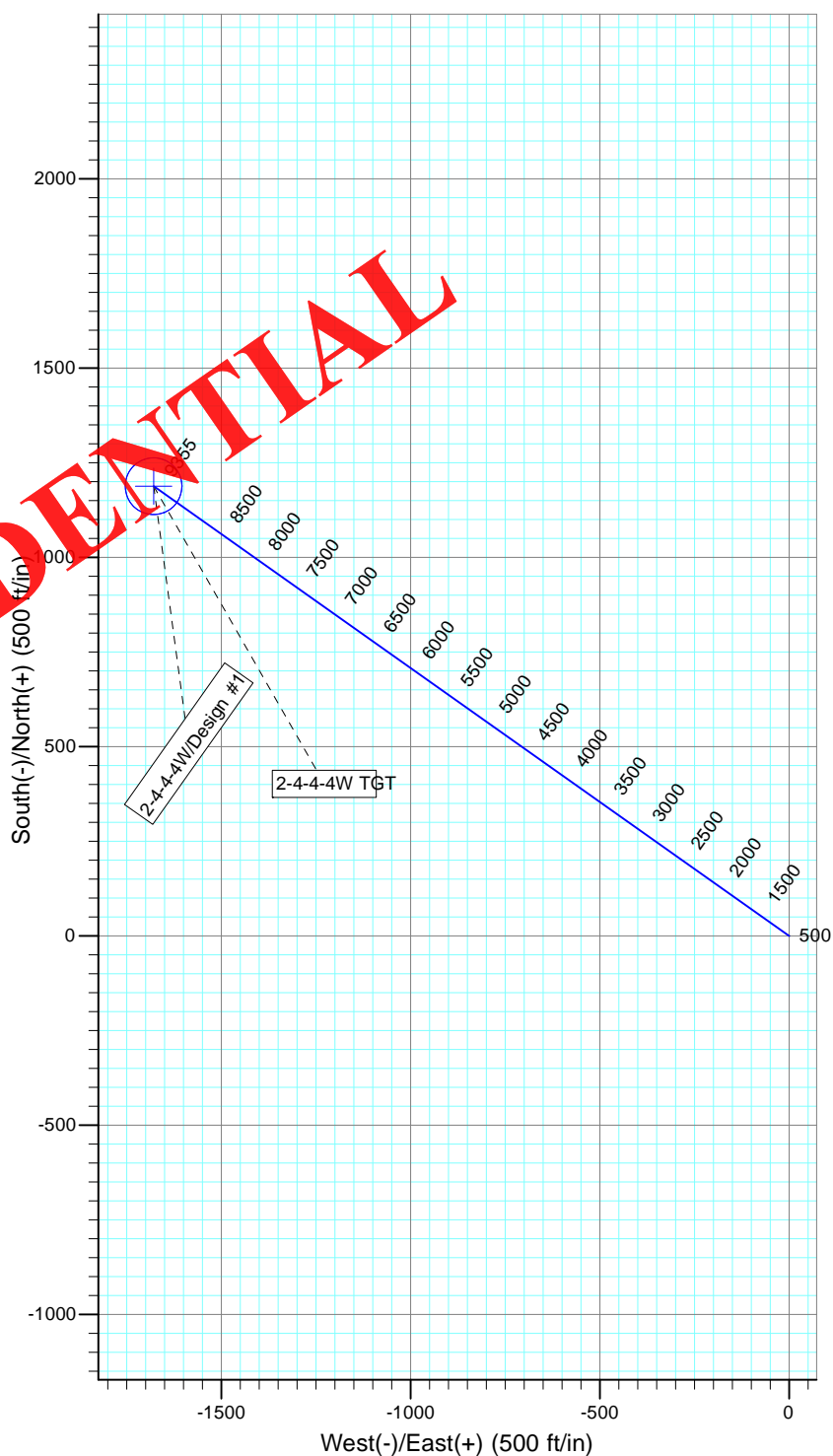
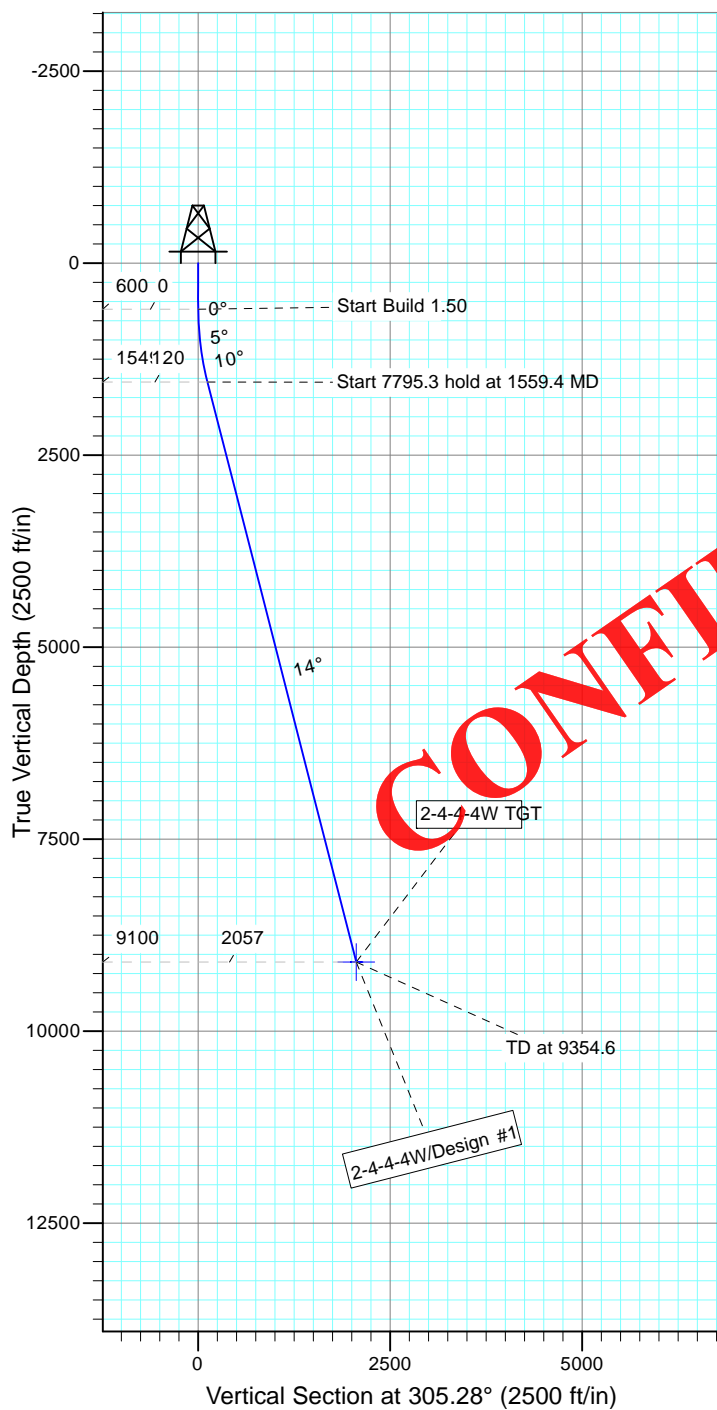
Project: USGS Myton SW (UT)  
 Site: SECTION 4 T4S, R4W  
 Well: 2-4-4-W  
 Wellbore: Wellbore #1  
 Design: Design #1



Azimuths to True North  
 Magnetic North: 11.42°

Magnetic Field  
 Strength: 52277.2snT  
 Dip Angle: 65.84°  
 Date: 2011/08/23  
 Model: IGRF2010

KOP @ 600'  
 DOGLEG RATE 1.5 DEG/100  
 TARGET RADIUS IS 75'



## WELLBORE TARGET DETAILS

| Name        | TVD    | +N/-S  | +E/-W   | Shape                 |
|-------------|--------|--------|---------|-----------------------|
| 2-4-4-W TGT | 9100.0 | 1188.2 | -1679.4 | Circle (Radius: 75.0) |

## SECTION DETAILS

| Sec | MD     | Inc   | Azi    | TVD    | +N/-S  | +E/-W   | DLeg | TFace  | VSec   | Target      |
|-----|--------|-------|--------|--------|--------|---------|------|--------|--------|-------------|
| 1   | 0.0    | 0.00  | 0.00   | 0.0    | 0.0    | 0.0     | 0.00 | 0.00   | 0.0    |             |
| 2   | 600.0  | 0.00  | 0.00   | 600.0  | 0.0    | 0.0     | 0.00 | 0.00   | 0.0    |             |
| 3   | 1559.4 | 14.39 | 305.28 | 1549.3 | 69.2   | -97.8   | 1.50 | 305.28 | 119.9  |             |
| 4   | 9354.6 | 14.39 | 305.28 | 9100.0 | 1188.2 | -1679.4 | 0.00 | 0.00   | 2057.2 | 2-4-4-W TGT |



MEMORANDUM  
of  
EASEMENT, RIGHT-OF-WAY  
and  
SURFACE USE AGREEMENT

This Easement, Right-of-Way and Surface Use Agreement ("Agreement") is entered into this 4th day of May, 2009 by and between, **D. Milton and Karen Moon whose address is 1158 N. 1190 E. American Fork, UT 84003**, ("Surface Owner," whether one or more) and Newfield Production Company, a Texas corporation ("NEWFIELD"), with offices at 1001 17<sup>th</sup> Street, Suite 2000, Denver, Colorado 80202, covering certain lands, (the "Lands") situated in Duchesne County, Utah described as follows:

Township 4 South, Range 4 West  
W2 Section 3  
E2E2 Section 4

Duchesne County, Utah  
Being 482.12 acres, more or less,

For and in consideration of the sum of ten dollars (\$10.00), and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby agree to the terms and provisions set forth as follows:

1. Compensation for Well; Release of All Claims

NEWFIELD shall pay to Surface Owner the sum as set forth in and according to the terms of that certain Letter Agreement for Easement, Right of Way and Surface Use by and between Surface Owner and NEWFIELD, dated May 4th, 2009 as full payment and satisfaction for any and all detriment, depreciation, injury or damage of any nature to the Lands or growing crops thereon that may occur as a result of NEWFIELD's drilling or completion operations or its continuing activities for the production or transportation of oil, gas, or other hydrocarbons or products associated with the foregoing including, but not limited to, surface use, access, pipelines, gathering lines, pipeline interconnections, and any and all other reasonable or customary uses of land related to said operations or activities.

2. Grant of Right of Way and Easement

Surface Owner hereby grants, bargains, leases, assigns, and conveys to NEWFIELD an easement and right-of-way for the purpose of construction, using and maintaining access roads, locations for surface equipment and subsurface gathering lines for each well drilled upon the Lands, pipelines, and pipeline interconnections for two years from date of this agreement and so long thereafter as NEWFIELD's oil and gas leases remain in effect.

This Agreement shall be binding upon the respective heirs, executors, administrators, successors, and assigns of the undersigned. This agreement replaces and supersedes any and all prior agreements covering the lands described herein.

These Parties hereto have executed this document effective as of the day first above written.

D. MILTON MOON ET UX

NEWFIELD PRODUCTION COMPANY

By: *D. Milton Moon*  
D. Milton Moon

By: \_\_\_\_\_  
Gary D. Packer, President

By: *Karen Moon*  
Karen Moon

STATE OF UTAH )  
 )ss  
 COUNTY OF Utah )

This instrument was acknowledged before me this 6th day of May, 2009 by **D. Milton Moon**.

Witness my hand and official seal.

My commission expires 11/11

Notary Public



STATE OF UTAH )  
 )ss  
 COUNTY OF Utah )

This instrument was acknowledged before me this 6th day of May, 2009 by **Karen Moon**.

Witness my hand and official seal.

My commission expires 11/11

Notary Public



STATE OF COLORADO )  
 )ss  
 COUNTY OF Denver )

This instrument was acknowledged before me this \_\_\_\_\_, 2009 by **Gary D. Packer, as President of Newfield Production Company**, a Texas corporation, on behalf of the corporation.

Witness my hand and official seal.

Notary Public

My commission expires \_\_\_\_\_

**NEWFIELD PRODUCTION COMPANY  
UTE TRIBAL 2-4-4-4W  
AT SURFACE: SE/NE SECTION 4, T4S, R4W  
DUCHESNE COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Ute Tribal 2-4-4-4W located in the SE 1/4 NE 1/4 Section 4, T4S, R4W, Duchesne County, Utah:

Proceed in a northeasterly direction out of Duchesne, Utah along Highway 40 – 3.6 miles  $\pm$  to the junction of this highway and an existing road to the south; proceed southerly – 0.6 miles  $\pm$  to it's junction with the beginning of the access road to the east; proceed easterly along the access road – 0.1 miles  $\pm$  to the existing well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Ute Tribal 8-4-4-4W well pad. See attached **Topographic Map "B"**.

There will be **no** culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District  
Water Right : 43-10136

Maurice Harvey Pond  
Water Right: 47-1358

Neil Moon Pond  
Water Right: 43-11787

Newfield Collector Well  
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

Newfield requests approval that a flare pit not be constructed or utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**



There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

10. **PLANS FOR RESTORATION OF SURFACE:**

- a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

- b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP** – D. Milton and Karen Moon. See the attached Memorandum of Easement, Right of Way and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION**

No New Surface Disturbance is required for the proposed Ute Tribal 2-4-4-4W, therefore the Archaeological Resource Survey and Paleontological Resource Survey for this proposed well will not be required.

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

#### **Water Disposal**

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

#### **Hazardous Material Declaration**

Newfield Production Company guarantees that during the drilling and completion of the Ute Tribal 2-4-4-4W, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Ute Tribal 2-4-4-4W, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office as well as the Ute Tribe Energy and Mineral Department shall be notified upon site completion prior to moving on the drilling rig.

#### **13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

##### Representative

Name: Tim Eaton

Address: Newfield Production Company  
Route 3, Box 3630  
Myton, UT 84052

Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #2-4-4W, SE/NE Section 4, T4S, R4W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage for this well is covered by the Bureau of Indian Affairs Bond #RLB0010462.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

8/25/11  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company

**CONFIDENTIAL**

# 3-M SYSTEM Blowout Prevention Equipment Systems

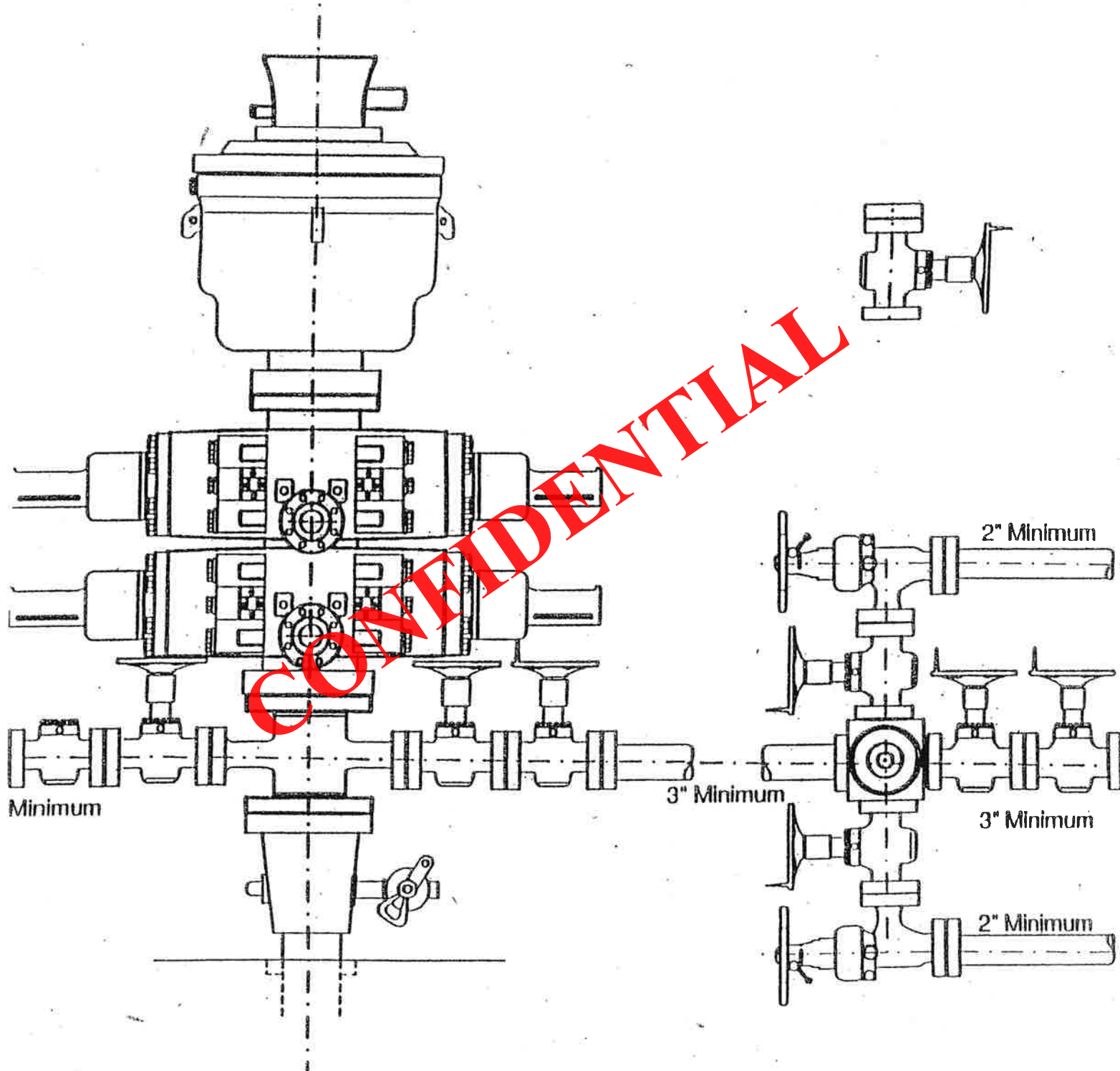


EXHIBIT C

# NEWFIELD EXPLORATION COMPANY

## WELL PAD INTERFERENCE PLAT

2-4-4-4W (Proposed Well)

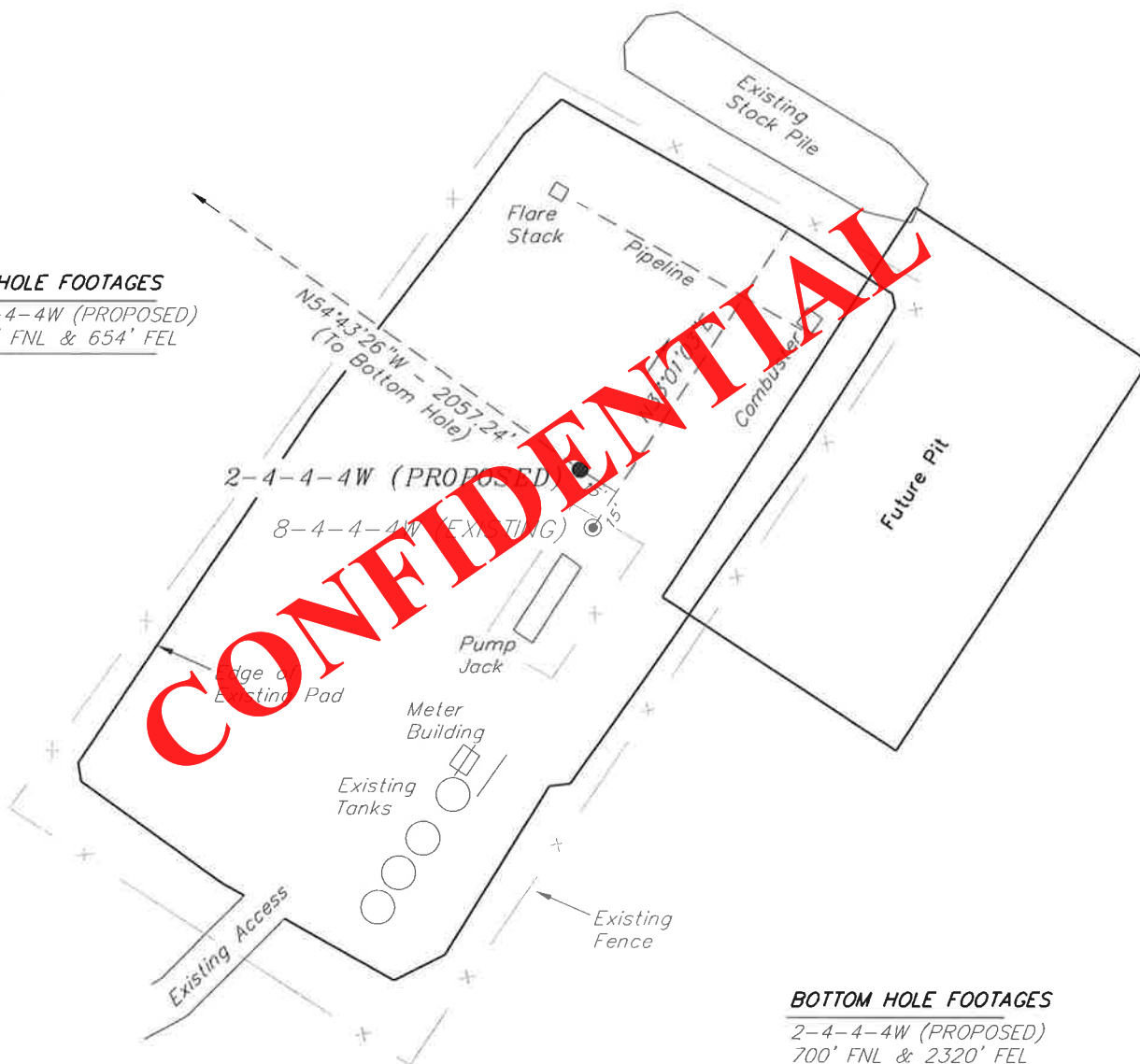
8-4-4-4W (Existing Well)

Pad Location: SENE Section 4, T4S, R4W, U.S.B.&M.



### TOP HOLE FOOTAGES

2-4-4-4W (PROPOSED)  
1945' FNL & 654' FEL



### BOTTOM HOLE FOOTAGES

2-4-4-4W (PROPOSED)  
700' FNL & 2320' FEL

### Note:

Bearings are based  
on GPS Observations.

### RELATIVE COORDINATES From Top Hole to Bottom Hole

| WELL     | NORTH | EAST   |
|----------|-------|--------|
| 2-4-4-4W | 1188' | -1679' |

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

| WELL     | LATITUDE       | LONGITUDE       |
|----------|----------------|-----------------|
| 2-4-4-4W | 40° 09' 54.13" | 110° 20' 06.90" |
| 8-4-4-4W | 40° 09' 53.92" | 110° 20' 06.85" |

SURVEYED BY: C.D.S.

DATE SURVEYED: 12-28-10

VERSION:

DRAWN BY: M.W.

DATE DRAWN: 03-16-11

V1

SCALE: 1" = 60'

REVISED:

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

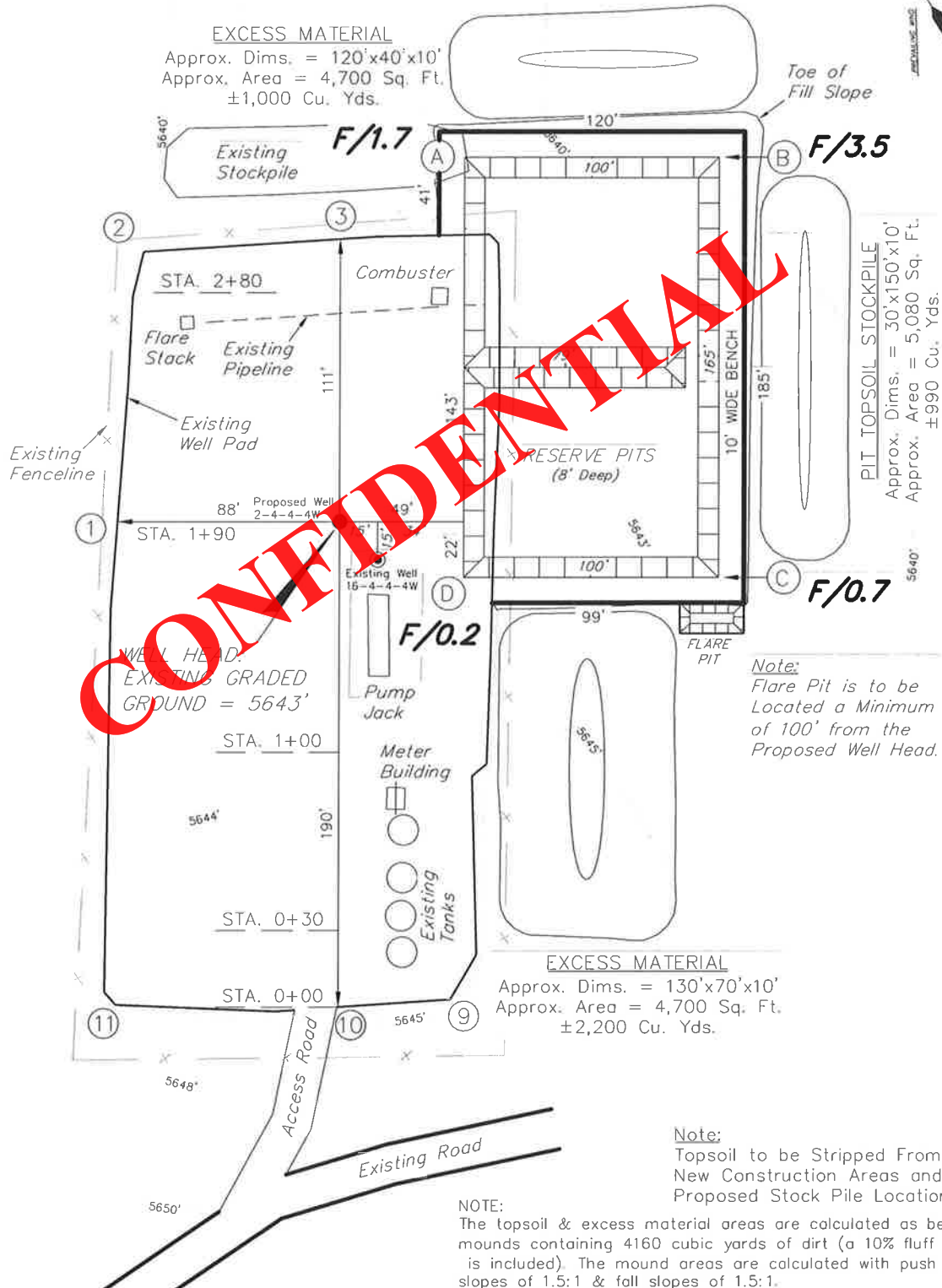
# NEWFIELD EXPLORATION COMPANY

## LOCATION LAYOUT

2-4-4-4W (Proposed Well)

8-4-4-W (Existing Well)

Pad Location: SENE Section 4, T4S, R4W, U.S.B.&M.



SURVEYED BY: C.D.S.

DATE SURVEYED: 12-28-10

VERSION:

DRAWN BY: M.W.

DATE DRAWN: 03-18-11

V1

SCALE: 1" = 60'

REVISED:

**Tri State**  
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078



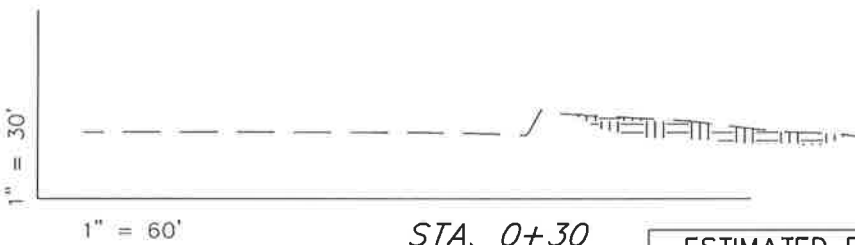
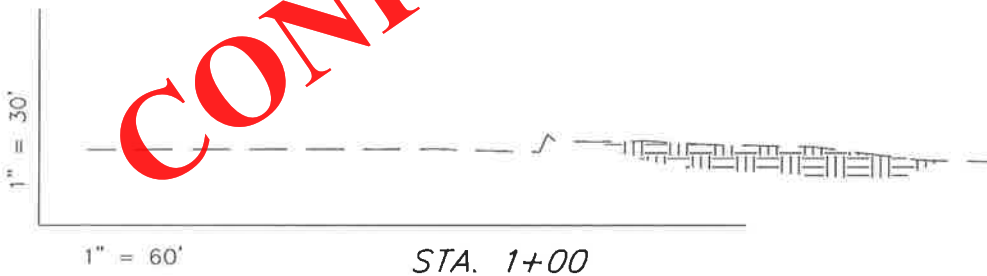
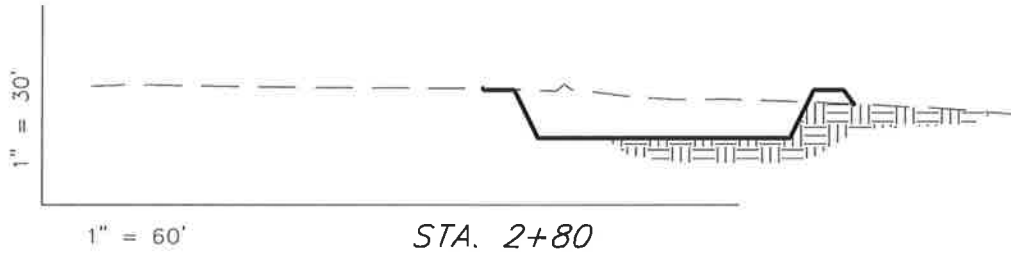
# NEWFIELD EXPLORATION COMPANY

## CROSS SECTION

2-4-4-4W (Proposed Well)

8-4-4-W (Existing Well)

Pad Location: SENE Section 4, T4S, R4W, U.S.B.&M.



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

| ITEM   | CUT   | FILL | 6" TOPSOIL                         | EXCESS |
|--------|-------|------|------------------------------------|--------|
| PAD    | 0     | 360  | Topsoil is not included in Pad Cut | -360   |
| PIT    | 3,240 | 0    |                                    | 3,240  |
| TOTALS | 3,240 | 360  | 900                                | 2,880  |

|                     |                         |          |
|---------------------|-------------------------|----------|
| SURVEYED BY: C.D.S. | DATE SURVEYED: 12-28-10 | VERSION: |
| DRAWN BY: M.W.      | DATE DRAWN: 03-18-11    | V1       |
| SCALE: 1" = 60'     | REVISED:                |          |

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078



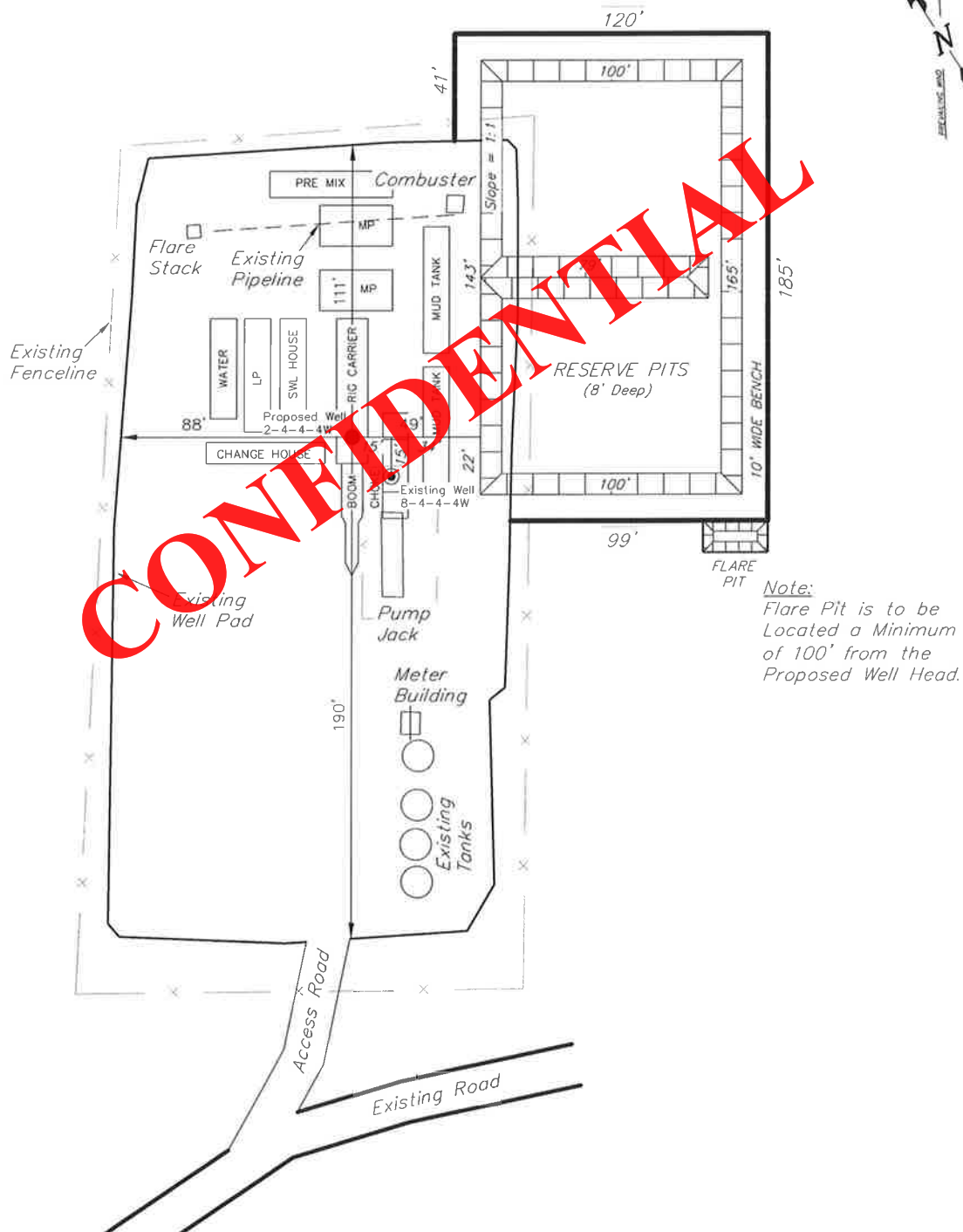
# NEWFIELD EXPLORATION COMPANY

## TYPICAL RIG LAYOUT

2-4-4-4W (Proposed Well)

8-4-4-W (Existing Well)

Pad Location: SENE Section 4, T4S, R4W, U.S.B.&M.



SURVEYED BY: C.D.S.

DATE SURVEYED: 12-28-10

VERSION:

DRAWN BY: M.W.

DATE DRAWN: 03-18-11

V1

SCALE: 1" = 60'

REVISED:

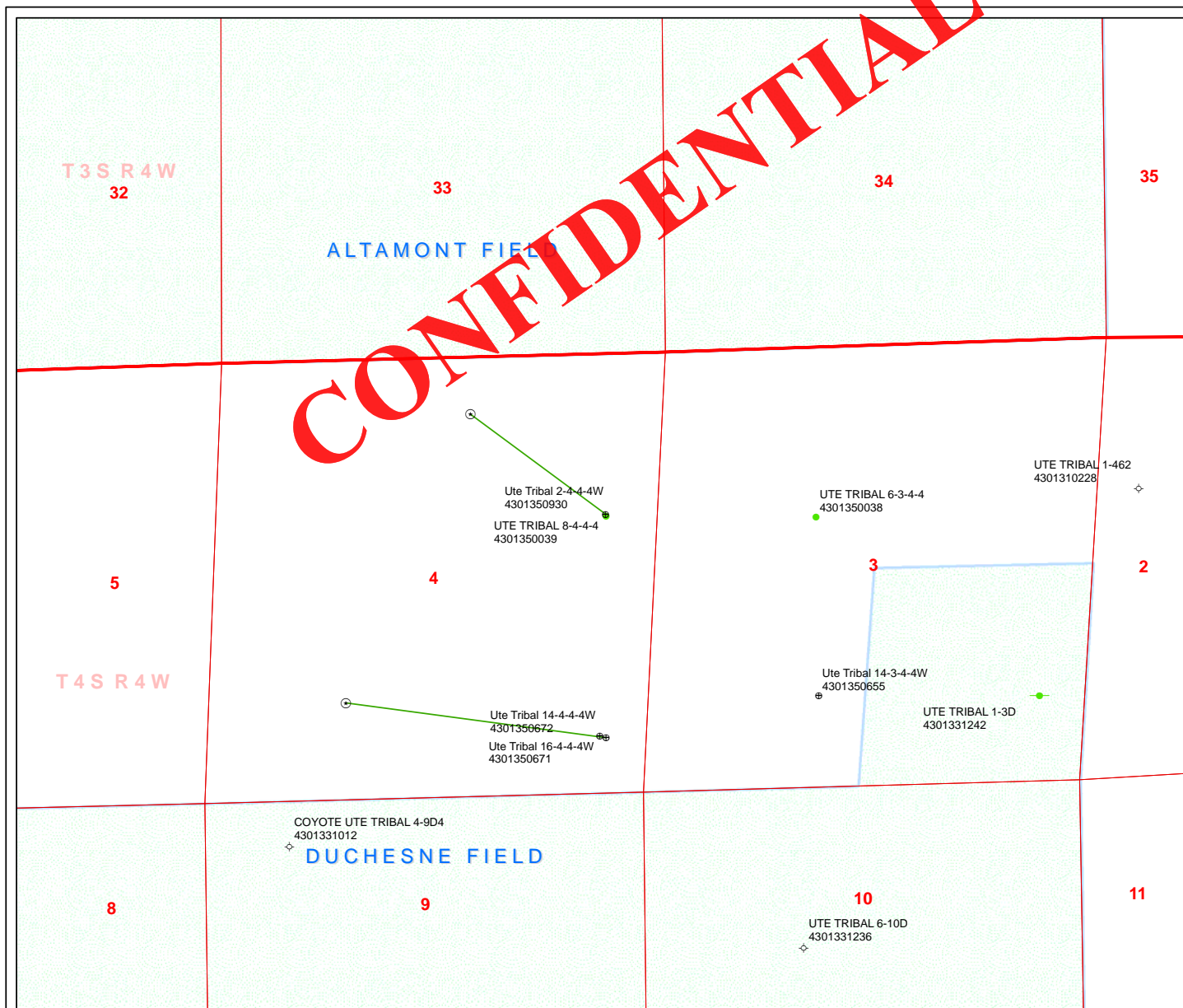
**Tri State**

(435) 781-2501

Land Surveying, Inc.

180 NORTH VERNAL AVE VERNAL, UTAH 84078

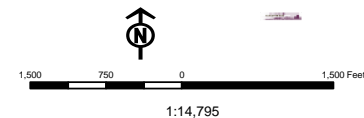
**CONFIDENTIAL**



**API Number: 4301350930**  
**Well Name: Ute Tribal 2-4-4-4W**  
**Township T0.4 . Range R0.4 . Section 04**  
**Meridian: UBM**  
**Operator: NEWFIELD PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

| Units         | Wells Query                        |
|---------------|------------------------------------|
| <b>STATUS</b> | <b>Status</b>                      |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERML  | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
|               | SGW - Shut-in Gas Well             |
|               | SOW - Shut-in Oil Well             |
|               | TA - Temp. Abandoned               |
|               | TW - Test Well                     |
|               | WDW - Water Disposal               |
|               | WIW - Water Injection Well         |
|               | WSW - Water Supply Well            |
| <b>Fields</b> |                                    |
| Unknown       |                                    |
| ABANDONED     |                                    |
| ACTIVE        |                                    |
| COMBINED      |                                    |
| INACTIVE      |                                    |
| STORAGE       |                                    |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |





September 7, 2011

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: **Ute Tribal 2-4-4-4W**

Surface Hole Location: T4S R4W, Section 4:SENE  
1945' FNL 654' FEL

Bottom Hole Location: T4S R4W, Section 4:NWNE  
700' FNL 2320' FEL  
Uintah County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both on Ute Tribal lands. Newfield certifies that Newfield and Ute Energy Upstream Holdings LLC own 100% of the working interest in all of the lands within 400 feet of the entire directional well bore. Approval is attached.

NPC is permitting this well as a directional well due to surface issues.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-383-4137 or by email at [awild@newfield.com](mailto:awild@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink, appearing to read "Alan D. Wild".

Alan D. Wild  
Land Associate

Attachments

Return to: Newfield Production Company  
ATTN: Alan Wild  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, CO 80202

303-685-8098 fax

awild@newfield.com email

Re: Directional Drilling

Ute Tribal 2-4-4W

Surface Hole Location: T4S R4W, Section 4:SENE  
1945' FNL 654' FEL

Bottom Hole Location: T4S R4W, Section 4:NWNE  
700' FNL 2320' FEL  
Uintah County, Utah

Please be advised Ute Energy Upstream Holdings LLC does not have an objection to the proposed location of the aforementioned well.

By: Todd Rasmussen

Date: 9/6/11

Print Name and Title

Todd Rasmussen  
Vice President of Land  
Ute Energy Upstream Holdings LLC

Form 3160-3  
(August 2007)

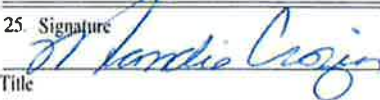
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

FORM APPROVED  
OMB No. 1004-0137  
Expires July 31, 2010

|   |   |   |
|---|---|---|
| 1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER  |   | 5. Lease Serial No.<br>14-20-H62-6276                               |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone          |   | 6. If Indian, Allottee or Tribe Name<br>UTE                         |
| 2. Name of Operator<br>Newfield Production Company  |   | 7. If Unit or CA Agreement, Name and No.<br>NA                      |
| 3a. Address<br>Route #3 Box 3630, Myton UT 84052  |   | 8. Lease Name and Well No.<br>Ute Tribal 2-4-4-4W                   |
| 3b. Phone No. (include area code)<br>(435) 646-3721   |   | 9. API Well No.   |
| 4. Location of Well (Report location clearly and in accordance with any State requirements.)*<br>At surface SE/NE 1945' FNL 654' FEL Sec. 4, T4S R4W<br>At proposed prod. zone NW/NE (LOT#2) 700' FNL 2320' FEL Sec. 4, T4S R4W |   | 10. Field and Pool, or Exploratory<br>Indesignated                  |
| 14. Distance in miles and direction from nearest town or post office*<br>Approximately 4.3 miles southeast of Duchesne, UT  |   | 11. Section, T. R. N. or Blk. and Survey or Area<br>Sec. 4, T4S R4W |
| 15. Distance from proposed* location to nearest property or lease line, ft. Approx. 700' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)  | 16. No. of acres in lease<br>NA   | 12. County or Parish<br>Duchesne                                    |
| 17. Spacing Unit dedicated to this well<br>40 Acres   | 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2,942' | 13. State<br>UT   |
| 19. Proposed Depth<br>9,000' (TVD) 9355' (MD)   | 20. BLM/BIA Bond No. on file<br>RLB0010462  |   |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.)<br>5643' GL   | 22. Approximate date work will start*<br>12/21/2012   | 23. Estimated duration<br>(7) days from SPUD to rig release         |
| 24. Attachments   |   |   |

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, must be attached to this form:

- |   |   |
|---|---|
| 1. Well plat certified by a registered surveyor.<br>2. A Drilling Plan.<br>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).<br>5. Operator certification<br>6. Such other site specific information and/or plans as may be required by the BLM. |
|---|---|

|  |  |                 |
|--|--|-----------------|
| 25. Signature<br> | Name (Printed Typed)<br>Mandie Crozier | Date<br>8/25/11 |
| Title<br>Regulatory Specialist   |  |                 |
| Approved by (Signature)  | Name (Printed Typed)                   | Date            |
| Title  | Office                                 |                 |

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

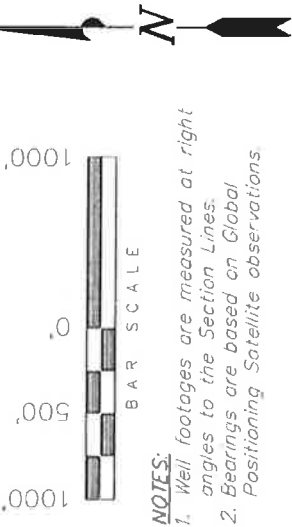


T4S, R4W, U.S.B.&M.

NEWFIELD EXPLORATION COMPANY

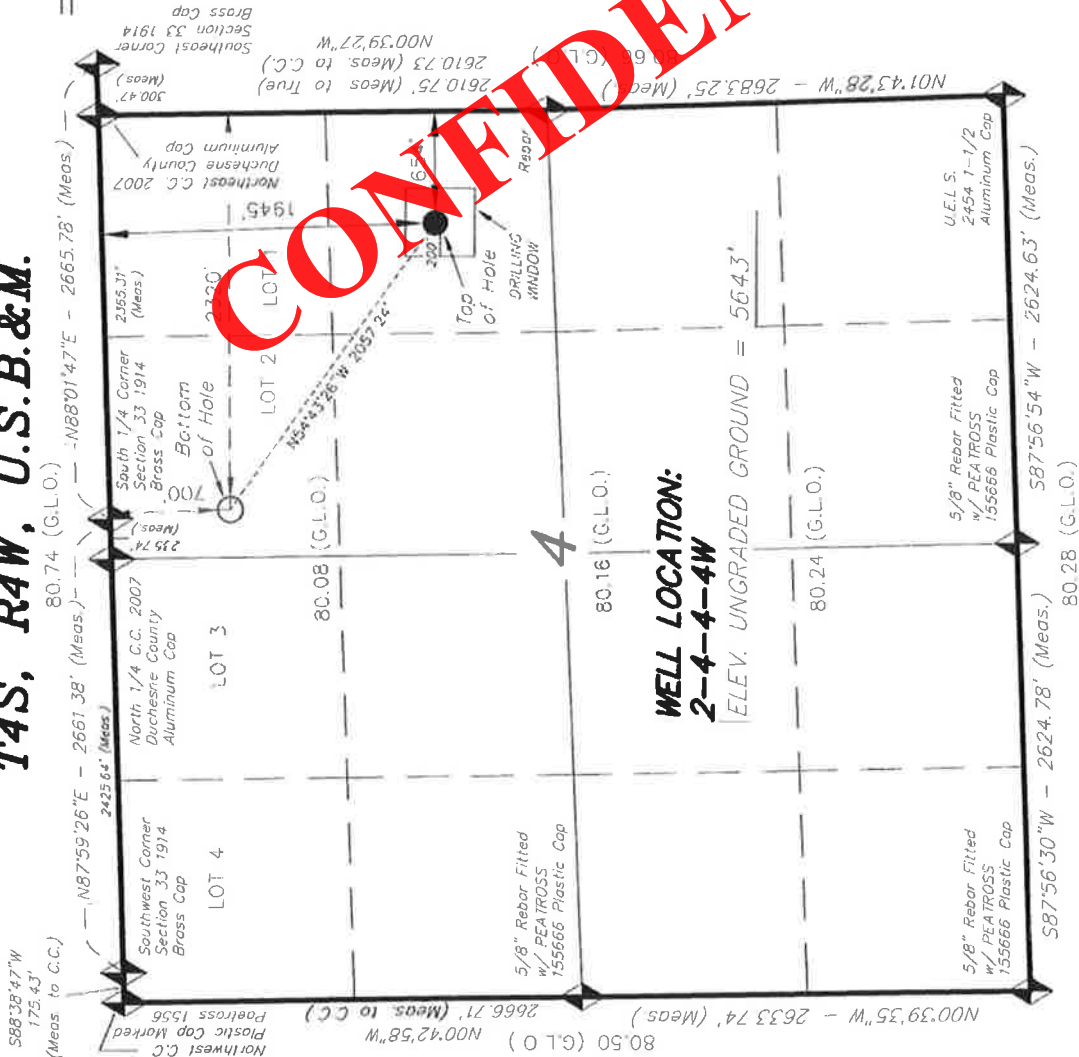
WELL LOCATION, 2-4-4-4W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 4, T4S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

WELL LOCATION, 2-4-4-4W, LOCATED AS SHOWN IN THE NW 1/4 NE 1/4 (LOT 2) OF SECTION 4, T4S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

- 1. Well footages are measured at right angles to the Section Lines.
- 2. Bearings are based on Global Positioning Satellite observations.

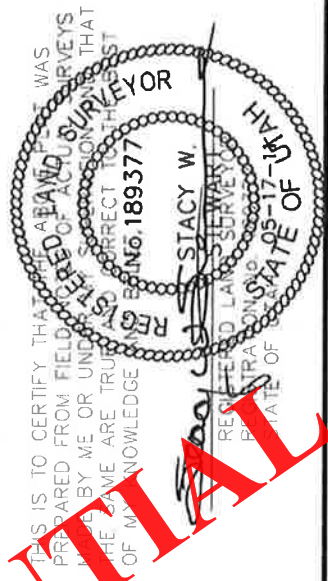


WELL LOCATION:  
2-4-4-4W  
ELEV. UNGRADED GROUND = 5643'

SECTION CORNERS LOCATED

BASIS OF ELEV.; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

2-4-4-4W  
(Surface Location) NAD 83  
LATITUDE = 40° 09' 54.13"  
LONGITUDE = 110° 20' 06.90"



TRI STATE LAND SURVEYING & CONSULTING  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

|                            |                     |          |
|----------------------------|---------------------|----------|
| DATE SURVEYED:<br>12-28-10 | SURVEYED BY: C.D.S. | VERSION: |
| DATE DRAWN:<br>03-17-11    | DRAWN BY: M.W.      | V1       |
| REVISED:                   | SCALE: 1" = 1000'   |          |

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Ute Tribal 2-4-4-4W  
**API Number** 43013509300000      **APD No** 4496      **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 SENE      **Sec** 4      **Tw** 4.0S      **Rng** 4.0W      1945      FNL      654      FEL  
**GPS Coord (UTM)** 556688      4446288      **Surface Owner** D. Milton and Karen Moon

### **Participants**

C. Jensen - DOGM

### **Regional/Local Setting & Topography**

This is a second hole on an existing pad. Host well is the Tribal 8-4-4-4W. The location is on top of a bench south of Hwy 40 in the Utah Mini Ranches subdivision in Duchesne County. The area is generally flat and slopes north toward the highway below. The city of Duchesne is 4 miles road miles West. Regionally this area is used for grazing and soils have generally not been disturbed. The area known as Bridgeland, Highway 40 and the Duchesne River are found within a one mile radius.

### **Surface Use Plan**

#### **Current Surface Use**

Existing Well Pad

#### **New Road**

Miles

0

#### **Well Pad**

Width 200 Length 300

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

#### **Ancillary Facilities**

N

### **Waste Management Plan Adequate?**

Y

### **Environmental Parameters**

#### **Affected Floodplains and/or Wetlands**

N

#### **Flora / Fauna**

no native flora on existing pad

pad fenced from wildlife, human and livestock entry

#### **Soil Type and Characteristics**

disturbed and imported soils

#### **Erosion Issues**

N

#### **Sedimentation Issues**

N

#### **Site Stability Issues**

N

#### **Drainage Diversion Required?**

N



**Berm Required? Y****Erosion Sedimentation Control Required? N****Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N****Reserve Pit**

| <b>Site-Specific Factors</b>             |                  | <b>Site Ranking</b>       |
|--|------------------|---------------------------|
| <b>Distance to Groundwater (feet)</b>    | 100 to 200       | 5                         |
| <b>Distance to Surface Water (feet)</b>  | >1000            | 0                         |
| <b>Dist. Nearest Municipal Well (ft)</b> |                  | 20                        |
| <b>Distance to Other Wells (feet)</b>    |                  | 20                        |
| <b>Native Soil Type</b>                  | Mod permeability | 10                        |
| <b>Fluid Type</b>                        | Fresh Water      | 5                         |
| <b>Drill Cuttings</b>                    | Normal Rock      | 0                         |
| <b>Annual Precipitation (inches)</b>     | 10 to 20         | 5                         |
| <b>Affected Populations</b>              | 10 to 30         | 10 to 30                  |
| <b>Presence Nearby Utility Conduits</b>  | Present          | 15                        |
| <b>Final Score</b>                       |                  | 86    1 Sensitivity Level |

**Characteristics / Requirements**

Pit to be dug to a depth of 8'. Because of the proximity to residential housing, pit underlayment is to be used to protect the liner from potential puncture. Pit should be fenced to prevent entry by deer, children, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete but as quickly as possible.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? Y****Other Observations / Comments**Chris Jensen  
Evaluator5/15/2012  
Date / Time

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

|                  |  |               |                          |                          |            |
|------------------|--|---------------|--------------------------|--------------------------|------------|
| <b>APD No</b>    | <b>API WellNo</b>  | <b>Status</b> | <b>Well Type</b>         | <b>Surf Owner</b>        | <b>CBM</b> |
| 4496             | 43013509300000   | LOCKED        | OW                       | P                        | No         |
| <b>Operator</b>  | NEWFIELD PRODUCTION COMPANY                                      |               | <b>Surface Owner-APD</b> | D. Milton and Karen Moon |            |
| <b>Well Name</b> | Ute Tribal 2-4-4-4W  |               | <b>Unit</b>              |                          |            |
| <b>Field</b>     | UNDESIGNATED   |               | <b>Type of Work</b>      | DRILL                    |            |
| <b>Location</b>  | SENE 4 4S 4W U 1945 FNL 654 FEL GPS Coord (UTM) 556678E 4446283N |               |                          |                          |            |

**Geologic Statement of Basis**

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill  
APD Evaluator

6/5/2012  
Date / Time

**Surface Statement of Basis**

Previously disturbed location. New hole on existing pad. No new disturbance is required.

Chris Jensen  
Onsite Evaluator

5/15/2012  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

|                 |   |
|-----------------|---|
| <b>Category</b> | <b>Condition</b>  |
| Pits            | A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit. |
| Pits            | The reserve pit should be located on the west side of the location.   |
| Surface         | The well site shall be bermed to prevent fluids from leaving the pad.   |
| Surface         | The reserve pit shall be fenced upon completion of drilling operations.   |

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/25/2011

API NO. ASSIGNED: 43013509300000

WELL NAME: Ute Tribal 2-4-4-W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 646-4825

CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 04 040S 040W

Permit Tech Review: ☒

SURFACE: 1945 FNL 0654 FEL

Engineering Review: ☐

BOTTOM: 0700 FNL 2320 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.16500

LONGITUDE: -110.33441

UTM SURF EASTINGS: 556678.00

NORTHINGS: 4446283.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-6276

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

## LOCATION AND SITING:

☒ PLAT☐ R649-2-3.☒ Bond: INDIAN - RLB0010462

Unit:

☐ Potash☐ R649-3-2. General☐ Oil Shale 190-5☐ Oil Shale 190-3☒ R649-3-3. Exception☐ Oil Shale 190-13☒ Drilling Unit☒ Water Permit: 437478

Board Cause No: Cause 139-90

☐ RDCC Review:

Effective Date: 5/9/2012

☒ Fee Surface Agreement

Siting: 4 Prod LGRRV-WSTC Per Sectional Drilling Units

☐ Intent to Commingle☒ R649-3-11. Directional Drill

Commingle Approved

Comments: Presite Completed

Stipulations: 1 - Exception Location - dmason  
4 - Federal Approval - dmason  
5 - Statement of Basis - bhll  
15 - Directional - dmason

RECEIVED: July 23, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Ute Tribal 2-4-4-4W

**API Well Number:** 43013509300000

**Lease Number:** 14-20-H62-6276

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 7/23/2012

### Issued to:

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 2 3 2011

BLM

RECEIVED  
AUG 08 2012

FORM APPROVED  
OMB No. 1004-0136  
July 31, 2010

DIV OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL OR REENTER

|  |   |   |
|--|---|---|
| 1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER   |   | 5. Lease Serial No.<br>1420H626276  |
| 1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone |   | 6. If Indian, Allottee or Tribe Name<br>UINTAH AND OURAY                              |
| 2. Name of Operator<br>NEWFIELD EXPLORATION COMPANY<br>Contact: MANDIE CROZIER<br>Email: mcrozier@newfield.com   |   | 7. If Unit or CA Agreement, Name and No.  |
| 3a. Address<br>ROUTE 3 BOX 3630<br>MYTON, UT 84052   | 3b. Phone No. (include area code)<br>Ph: 435-646-4825<br>Fx: 435-646-3031 | 8. Lease Name and Well No.<br>UTE TRIBAL 2-4-4-4W                                     |
| 4. Location of Well (Report location clearly and in accordance with any State requirements. *)<br>At surface SENE 1945FNL 654FEL<br>At proposed prod. zone Lot 2 700FNL 2320FEL  |   | 9. API Well No.<br>43-013-50930   |
| 14. Distance in miles and direction from nearest town or post office*<br>4.3   |   | 10. Field and Pool, or Exploratory<br>UNDESIGNATED                                    |
| 15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)<br>700'   | 16. No. of Acres in Lease<br>162.52                                       | 11. Sec., T., R., M., or Blk. and Survey or Area<br>Sec 4 T4S R4W Mer UBM<br>SME: FEE |
| 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.<br>2942'   | 19. Proposed Depth<br>9355 MD<br>9100 TVD                                 | 12. County or Parish<br>DUCHESNE  |
| 21. Elevations (Show whether DF, KB, RT, GL, etc.)<br>5643 GL  | 22. Approximate date work will start<br>01/01/2012                        | 13. State<br>UT   |
| 23. Estimated duration<br>7 DAYS   |   | 17. Spacing Unit dedicated to this well<br>40.00                                      |
| 20. BLM/BIA Bond No. on file<br><del>WYB000400</del> RLB 00100473  |   |   |

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

|   |   |                     |
|---|---|---------------------|
| 25. Signature<br>(Electronic Submission)                      | Name (Printed/Typed)<br>MANDIE CROZIER Ph: 435-646-4825 | Date<br>08/26/2011  |
| Title<br>REGULATORY ANALYST                                   |   |                     |
| Approved by (Signature)<br>                                   | Name (Printed/Typed)<br>Jerry Kenczka                   | Date<br>JUL 31 2012 |
| Title<br>Assistant Field Manager<br>Lands & Mineral Resources | Office<br>VERNAL FIELD OFFICE                           |                     |

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #116220 verified by the BLM Well Information System  
For NEWFIELD EXPLORATION COMPANY, sent to the Vernal  
Committed to AFMSS for processing by ROBIN R. HANSEN on 08/31/2011 (11RRH1509AE)

UDOGM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

11SS0736A

NOS 5/23/2011



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company  
Well No: Ute Tribal 2-4-4-W  
API No: 43-013-50930

Location: SENE, Sec. 4, T4S, R4W  
Lease No: 14-20-H62-6276  
Agreement: N/A

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

|   |  |
|---|--|
| Construction Activity<br>(Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)   | - The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.                                      |
| Construction Completion<br>(Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist) | - Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig. |
| Spud Notice<br>(Notify BLM Petroleum Engineer)  | - Twenty-Four (24) hours prior to spudding the well.   |
| Casing String & Cementing<br>(Notify BLM Supv. Petroleum Tech.)                                       | - Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .   |
| BOP & Related Equipment Tests<br>(Notify BLM Supv. Petroleum Tech.)                                   | - Twenty-Four (24) hours prior to initiating pressure tests.   |
| First Production Notice<br>(Notify BLM Petroleum Engineer)  | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.   |



***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- The edge of the pad shall avoid the drainage.
- A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be installed and maintained in the reserve pit.
- Any deviation from submitted APD's and ROW applications the operator will notify the BLM in writing and will receive written authorization of any such change with appropriate authorization.
- All operator employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All permanent surface equipment (meaning on site for six months or longer) will be painted Covert Green to match the surrounding landscape color unless otherwise authorized. This will include all facilities except those required to comply with Occupational Safety and Health Act (OSHA) regulations.
- Reclamation will be completed in accordance with the recontouring and reseeding procedures outlined in the Newfield Exploration Company Castle Peak and Eight Mile Flat Reclamation Plan on file with the Vernal Field Office of the BLM, unless otherwise specified by the private surface owner.
- The surface conditions as set forth by the owner(s) and/or agencies.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Gamma Ray Log shall be run from Total Depth to Surface.
- The Operator shall also comply with applicable laws and regulations; with lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.
- Variances shall be granted for the air drilling of the surface hole to 500 feet, from Onshore Order 2, III as listed in Section 9.0 of the Ute Tribe Green River SOP.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if

performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

|  |  |  |
|--|--|--|
| <b>STATE OF UTAH</b><br>DEPARTMENT OF NATURAL RESOURCES<br>DIVISION OF OIL, GAS, AND MINING  |  | <b>FORM 9</b>  |
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br><br>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. |  | <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b><br>14-20-H62-6276 |
| <b>1. TYPE OF WELL</b><br>Oil Well   |  | <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>                     |
| <b>2. NAME OF OPERATOR:</b><br>NEWFIELD PRODUCTION COMPANY   |  | <b>7. UNIT or CA AGREEMENT NAME:</b>                             |
| <b>3. ADDRESS OF OPERATOR:</b><br>Rt 3 Box 3630 , Myton, UT, 84052   |  | <b>8. WELL NAME and NUMBER:</b><br>UTE TRIBAL 2-4-4-4W           |
| <b>PHONE NUMBER:</b><br>435 646-4825 Ext   |  | <b>9. API NUMBER:</b><br>43013509300000                          |
| <b>4. LOCATION OF WELL</b><br><b>FOOTAGES AT SURFACE:</b><br>1945 FNL 0654 FEL<br><b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b><br>Qtr/Qtr: SENE Section: 04 Township: 04.0S Range: 04.0W Meridian: U  |  | <b>9. FIELD and POOL or WILDCAT:</b><br>DUCHESNE                 |
|  |  | <b>COUNTY:</b><br>DUCHESNE                                       |
|  |  | <b>STATE:</b><br>UTAH  |

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION   | TYPE OF ACTION  |
|--|---|
| <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b><br>Approximate date work will start:<br><b>7/23/2013</b> | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input checked="" type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div> |
| <input type="checkbox"/> <b>SUBSEQUENT REPORT</b><br>Date of Work Completion:  |   |
| <input type="checkbox"/> <b>SPUD REPORT</b><br>Date of Spud:   |   |
| <input type="checkbox"/> <b>DRILLING REPORT</b><br>Report Date:  |   |
| OTHER: <input style="width: 100px;" type="text"/>  |   |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application for Permit to Drill this well.

**Approved by the  
 Utah Division of  
 Oil, Gas and Mining**

**Date:** July 16, 2013

**By:**

|  |                                     |                                 |
|--|-------------------------------------|---------------------------------|
| <b>NAME (PLEASE PRINT)</b><br>Mandie Crozier | <b>PHONE NUMBER</b><br>435 646-4825 | <b>TITLE</b><br>Regulatory Tech |
| <b>SIGNATURE</b><br>N/A                      | <b>DATE</b><br>7/15/2013            |                                 |



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013509300000**

**API:** 43013509300000

**Well Name:** UTE TRIBAL 2-4-4-4W

**Location:** 1945 FNL 0654 FEL QTR SENE SEC 04 TWP 040S RNG 040W MER U

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 7/23/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Mandie Crozier

**Date:** 7/15/2013

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY



Form 3160-4  
(March 2012)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
 b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
 Other: \_\_\_\_\_

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY3. Address ROUTE #3 BOX 3630  
MYTON, UT 840523a. Phone No. (include area code)  
Ph: 435-646-3721

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 1945' FNL 654' FEL (SE/NE) SEC 4 T4S R4W

At top prod. interval reported below 1072' FNL 1901' FEL (NW/NE) SEC 4 T4S R4W

At total depth 776' FNL 2314' FEL (NW/NE, LOT 2) SEC 4 T4S R4W

14. Date Spudded  
04/10/201415. Date T.D. Reached  
05/06/201416. Date Completed 05/06/2014  
☐ D & A ☒ Ready to Prod.5. Lease Serial No.  
1420H6262766. If Indian, Allottee or Tribe Name  
UINTAH AND OURAY

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
UTE TRIBAL 2-4-4-4W9. API Well No.  
43-013-5093010. Field and Pool or Exploratory  
UNDESIGNATED11. Sec., T., R., M., on Block and  
Survey or Area SEC 4 T4S R4W Mer UBM

12. County or Parish

13. State

DUCHESNE

UT

17. Elevations (DF, RKB, RT, GL)\*  
5656' GL 5643' KB18. Total Depth: MD 8688'  
TVD 8407'19. Plug Back T.D.: MD 8586'  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade   | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sks. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|--------------|-------------|----------|-------------|----------------------|------------------------------|-------------------|-------------|---------------|
| 12-1/4"   | 8-5/8" J-55  | 24          | 0'       | 542'        |                      | 265 CLASS G                  |                   |             |               |
| 7-7/8"    | 5-1/2" SB-80 | 17          | 0'       | 8633'       |                      | 400 Econocem                 |                   | 430'        |               |
|           |              |             |          |             |                      | 610Expandacem                |                   |             |               |
|           |              |             |          |             |                      |                              |                   |             |               |
|           |              |             |          |             |                      |                              |                   |             |               |
|           |              |             |          |             |                      |                              |                   |             |               |
|           |              |             |          |             |                      |                              |                   |             |               |

24. Tubing Record

| Size   | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-7/8" | EOT@8518'      | TA@8397'          |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation      | Top   | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|----------------|-------|--------|---------------------|------|-----------|--------------|
| A) Green River | 6765' | 8343'  | 6765' - 8343' MD    | 0.34 | 147       |              |
| B) Wasatch     | 8415' | 8513'  | 8415' - 8513' MD    | 0.34 | 30        |              |
| C)             |       |        |                     |      |           |              |
| D)             |       |        |                     |      |           |              |

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

| Depth Interval   | Amount and Type of Material  |
|------------------|--|
| 6765' - 8513' MD | Frac w/ 461,700#s of 30/50 white sand and 38,751#s 100 Mesh in 10,880 bbls of Lightning 17 fluid, in 6 stages. |
|                  |  |
|                  |  |

28. Production - Interval A

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method    |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|----------------------|
| 5/30/14             | 6/10/14              | 24           | →               | 217     | 305     | 296       |                       |             | 2.5 x 1.75 x 24 RHAC |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                      |
|                     |                      |              | →               |         |         |           |                       | PRODUCING   |                      |

28a. Production - Interval B

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

\*(See instructions and spaces for additional data on page 2)

**28b. Production - Interval C**

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

**28c. Production - Interval D**

| Date First Produced | Test Date            | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
|                     |                      |              | →               |         |         |           |                       |             |                   |
| Choke Size          | Tbg. Press. Flwg. SI | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio         | Well Status |                   |
|                     |                      |              | →               |         |         |           |                       |             |                   |

**29. Disposition of Gas (Solid, used for fuel, vented, etc.)****30. Summary of Porous Zones (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**31. Formation (Log) Markers  
GEOLOGICAL MARKERS**

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name   | Top            |
|-----------|-----|--------|------------------------------|--|----------------|
|           |     |        |                              |  | Meas. Depth    |
|           |     |        |                              | GARDEN GULCH MEMBER 1<br>GARDEN GULCH MEMBER 2 | 5660'<br>5740' |
|           |     |        |                              | CASTLE PEAK<br>CP LIMES                        | 7823'<br>8050' |
|           |     |        |                              | BASAL CARBONATE<br>WASATCH                     | 8280'<br>8415' |

**32. Additional remarks (include plugging procedure):****33. Indicate which items have been attached by placing a check in the appropriate boxes:**

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☒ Other: Drilling daily activity

**34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\***Name (please print) Heather CalderTitle Regulatory TechnicianSignature Heather CalderDate 06/26/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

**NEWFIELD**



## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 4 T4S, R4W**

**2-4-4-4W**

**Wellbore #1**

**Design: Actual**

## **End of Well Report**

**13 May, 2014**





# Payzone Directional End of Well Report



|                  |                      |                                     |                                     |
|------------------|----------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | NEWFIELD EXPLORATION | <b>Local Co-ordinate Reference:</b> | Well 2-4-4-W                        |
| <b>Project:</b>  | USGS Myton SW (UT)   | <b>TVD Reference:</b>               | 2-4-4-4w @ 5656.0usft (CAPSTAR 329) |
| <b>Site:</b>     | SECTION 4 T4S, R4W   | <b>MD Reference:</b>                | 2-4-4-4w @ 5656.0usft (CAPSTAR 329) |
| <b>Well:</b>     | 2-4-4-4W             | <b>North Reference:</b>             | True                                |
| <b>Wellbore:</b> | Wellbore #1          | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | Actual               | <b>Database:</b>                    | EDM 5000.1 Single User Db           |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA |                      |                |
| <b>Map System:</b> | US State Plane 1983                          | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983                    |                      |                |
| <b>Map Zone:</b>   | Utah Central Zone                            |                      |                |

|                              |                    |                          |                   |
|------------------------------|--------------------|--------------------------|-------------------|
| <b>Site</b>                  | SECTION 4 T4S, R4W |                          |                   |
| <b>Site Position:</b>        |                    | <b>Northing:</b>         | 7,230,000.00 usft |
| <b>From:</b>                 | Map                | <b>Easting:</b>          | 1,964,000.00 usft |
| <b>Position Uncertainty:</b> | 0.0 usft           | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                    | <b>Latitude:</b>         | 40° 9' 44.901 N   |
|                              |                    | <b>Longitude:</b>        | 110° 20' 31.699 W |
|                              |                    | <b>Grid Convergence:</b> | 0.74 °            |

|                             |  |                            |                                    |
|-----------------------------|--|----------------------------|------------------------------------|
| <b>Well</b>                 | 2-4-4-4W, SHL LAT: 40 09 54.13 LONG: -110 20 06.90 |                            |                                    |
| <b>Well Position</b>        | <b>+N/-S</b>                                       | 0.0 usft                   | <b>Northing:</b> 7,230,958.73 usft |
|                             | <b>+E/-W</b>                                       | 0.0 usft                   | <b>Easting:</b> 1,965,912.83 usft  |
| <b>Position Uncertainty</b> | 0.0 usft   | <b>Wellhead Elevation:</b> | 5,656.0 usft                       |
|                             |  | <b>Latitude:</b>           | 40° 9' 54.130 N                    |
|                             |  | <b>Longitude:</b>          | 110° 20' 6.900 W                   |
|                             |  | <b>Ground Level:</b>       | 5,643.0 usft                       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2010          | 4/11/2014          | 11.08                  | 65.77                | 52,018                     |

|                          |                                |                     |                     |                          |
|--------------------------|--------------------------------|---------------------|---------------------|--------------------------|
| <b>Design</b>            | Actual                         |                     |                     |                          |
| <b>Audit Notes:</b>      |                                |                     |                     |                          |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                            | 0.0                 | 0.0                 | 305.15                   |

|                       |                  |                          |                  |                    |
|-----------------------|------------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b>      | 5/13/2014                |                  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 581.0                 | 8,688.0          | Survey #1 (Wellbore #1)  | MWD              | MWD - Standard     |





# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 0.0          | 0.00       | 0.00                 | 0.0           | 0.0              | 0.0           | 0.0           | 0.00                | 0.00                 | 0.00                |
| 581.0        | 0.30       | 222.80               | 581.0         | 0.2              | -1.1          | -1.0          | 0.05                | 0.05                 | 0.00                |
| 611.0        | 0.40       | 235.40               | 611.0         | 0.2              | -1.2          | -1.2          | 0.42                | 0.33                 | 42.00               |
| 641.0        | 0.50       | 254.10               | 641.0         | 0.4              | -1.3          | -1.4          | 0.59                | 0.33                 | 62.33               |
| 672.0        | 0.70       | 255.90               | 672.0         | 0.6              | -1.4          | -1.7          | 0.65                | 0.65                 | 5.81                |
| 702.0        | 0.80       | 262.10               | 702.0         | 0.8              | -1.5          | -2.1          | 0.43                | 0.33                 | 20.67               |
| 732.0        | 1.10       | 276.90               | 732.0         | 1.3              | -1.5          | -2.6          | 1.28                | 1.00                 | 49.33               |
| 762.0        | 1.10       | 286.70               | 762.0         | 1.8              | -1.4          | -3.1          | 0.63                | 0.00                 | 32.67               |
| 792.0        | 1.30       | 297.20               | 792.0         | 2.4              | -1.1          | -3.7          | 0.99                | 0.67                 | 35.00               |
| 823.0        | 1.60       | 307.90               | 823.0         | 3.2              | -0.7          | -4.4          | 1.30                | 0.97                 | 34.52               |
| 854.0        | 1.90       | 314.60               | 854.0         | 4.1              | -0.1          | -5.1          | 1.17                | 0.97                 | 21.61               |
| 884.0        | 2.20       | 315.40               | 883.9         | 5.2              | 0.7           | -5.8          | 1.00                | 1.00                 | 2.67                |
| 914.0        | 2.60       | 314.80               | 913.9         | 6.4              | 1.6           | -6.7          | 1.34                | 1.33                 | -2.00               |
| 946.0        | 2.90       | 318.20               | 945.9         | 7.9              | 2.7           | -7.8          | 1.07                | 0.94                 | 10.62               |
| 976.0        | 3.50       | 319.90               | 975.8         | 9.5              | 4.0           | -8.9          | 2.02                | 2.00                 | 5.67                |
| 1,006.0      | 4.00       | 320.50               | 1,005.8       | 11.4             | 5.5           | -10.1         | 1.67                | 1.67                 | 2.00                |
| 1,037.0      | 4.50       | 319.80               | 1,036.7       | 13.6             | 7.2           | -11.6         | 1.62                | 1.61                 | -2.26               |
| 1,068.0      | 5.10       | 319.90               | 1,067.6       | 16.2             | 9.2           | -13.3         | 1.94                | 1.94                 | 0.32                |
| 1,111.0      | 5.70       | 318.40               | 1,110.4       | 20.1             | 12.3          | -15.9         | 1.43                | 1.40                 | -3.49               |
| 1,154.0      | 6.30       | 316.60               | 1,153.1       | 24.5             | 15.6          | -19.0         | 1.46                | 1.40                 | -4.19               |
| 1,198.0      | 7.00       | 316.90               | 1,196.8       | 29.5             | 19.3          | -22.5         | 1.59                | 1.59                 | 0.68                |
| 1,242.0      | 7.80       | 315.70               | 1,240.5       | 35.0             | 23.4          | -26.4         | 1.85                | 1.82                 | -2.73               |
| 1,286.0      | 8.80       | 316.10               | 1,284.0       | 41.3             | 28.0          | -30.8         | 2.28                | 2.27                 | 0.91                |
| 1,328.0      | 9.80       | 314.00               | 1,325.5       | 48.0             | 32.7          | -35.6         | 2.51                | 2.38                 | -5.00               |
| 1,372.0      | 10.70      | 313.20               | 1,368.8       | 55.7             | 38.1          | -41.3         | 2.07                | 2.05                 | -1.82               |
| 1,416.0      | 11.80      | 312.30               | 1,411.9       | 64.2             | 44.0          | -47.6         | 2.53                | 2.50                 | -2.05               |
| 1,460.0      | 12.80      | 311.10               | 1,454.9       | 73.5             | 50.2          | -54.6         | 2.35                | 2.27                 | -2.73               |



# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 1,503.0      | 13.80      | 310.40               | 1,496.7       | 83.4             | 56.7          | -62.1         | 2.36                | 2.33                 | -1.63               |
| 1,547.0      | 14.70      | 310.30               | 1,539.4       | 94.2             | 63.7          | -70.3         | 2.05                | 2.05                 | -0.23               |
| 1,591.0      | 15.60      | 310.30               | 1,581.9       | 105.6            | 71.1          | -79.1         | 2.05                | 2.05                 | 0.00                |
| 1,635.0      | 16.60      | 309.30               | 1,624.1       | 117.8            | 78.9          | -88.5         | 2.36                | 2.27                 | -2.27               |
| 1,678.0      | 17.50      | 308.60               | 1,665.2       | 130.3            | 86.8          | -98.3         | 2.15                | 2.09                 | -1.63               |
| 1,721.0      | 18.10      | 308.00               | 1,706.2       | 143.5            | 95.0          | -108.6        | 1.46                | 1.40                 | -1.40               |
| 1,765.0      | 18.60      | 306.70               | 1,748.0       | 157.3            | 103.4         | -119.6        | 1.47                | 1.14                 | -2.95               |
| 1,808.0      | 18.90      | 305.90               | 1,788.7       | 171.1            | 111.6         | -130.7        | 0.92                | 0.70                 | -1.86               |
| 1,851.0      | 19.30      | 305.20               | 1,829.3       | 185.2            | 119.7         | -142.2        | 1.07                | 0.93                 | -1.63               |
| 1,895.0      | 19.50      | 304.50               | 1,870.8       | 199.8            | 128.1         | -154.2        | 0.70                | 0.45                 | -1.59               |
| 1,981.0      | 20.20      | 302.10               | 1,951.7       | 229.0            | 144.1         | -178.6        | 1.25                | 0.81                 | -2.79               |
| 2,025.0      | 20.30      | 302.00               | 1,993.0       | 244.2            | 152.2         | -191.5        | 0.24                | 0.23                 | -0.23               |
| 2,069.0      | 19.80      | 300.50               | 2,034.3       | 259.3            | 160.0         | -204.4        | 1.63                | -1.14                | -3.41               |
| 2,113.0      | 19.80      | 299.80               | 2,075.7       | 274.1            | 167.5         | -217.3        | 0.54                | 0.00                 | -1.59               |
| 2,157.0      | 19.80      | 298.90               | 2,117.1       | 288.9            | 174.8         | -230.3        | 0.69                | 0.00                 | -2.05               |
| 2,200.0      | 19.70      | 298.80               | 2,157.6       | 303.4            | 181.8         | -243.0        | 0.25                | -0.23                | -0.23               |
| 2,244.0      | 19.60      | 298.10               | 2,199.0       | 318.1            | 188.9         | -256.0        | 0.58                | -0.23                | -1.59               |
| 2,288.0      | 19.40      | 298.60               | 2,240.5       | 332.6            | 195.9         | -268.9        | 0.59                | -0.45                | 1.14                |
| 2,332.0      | 19.10      | 298.50               | 2,282.0       | 347.1            | 202.8         | -281.7        | 0.69                | -0.68                | -0.23               |
| 2,374.0      | 18.50      | 297.70               | 2,321.8       | 360.5            | 209.2         | -293.6        | 1.55                | -1.43                | -1.90               |
| 2,417.0      | 18.30      | 298.20               | 2,362.6       | 374.0            | 215.5         | -305.6        | 0.59                | -0.47                | 1.16                |
| 2,461.0      | 18.00      | 299.10               | 2,404.4       | 387.6            | 222.1         | -317.6        | 0.93                | -0.68                | 2.05                |
| 2,504.0      | 17.50      | 299.10               | 2,445.4       | 400.6            | 228.5         | -329.1        | 1.16                | -1.16                | 0.00                |
| 2,548.0      | 16.80      | 298.60               | 2,487.4       | 413.5            | 234.7         | -340.4        | 1.63                | -1.59                | -1.14               |
| 2,592.0      | 16.00      | 299.20               | 2,529.6       | 425.9            | 240.7         | -351.3        | 1.86                | -1.82                | 1.36                |
| 2,636.0      | 15.60      | 299.20               | 2,571.9       | 437.8            | 246.6         | -361.8        | 0.91                | -0.91                | 0.00                |
| 2,680.0      | 15.70      | 300.50               | 2,614.3       | 449.6            | 252.5         | -372.1        | 0.83                | 0.23                 | 2.95                |



# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-W  
**TVD Reference:** 2-4-4-W @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-W @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 2,723.0      | 15.70      | 301.60               | 2,655.7       | 461.2            | 258.5         | -382.0        | 0.69                | 0.00                 | 2.56                |
| 2,766.0      | 15.70      | 302.80               | 2,697.1       | 472.8            | 264.7         | -391.9        | 0.76                | 0.00                 | 2.79                |
| 2,810.0      | 15.80      | 303.70               | 2,739.5       | 484.7            | 271.2         | -401.9        | 0.60                | 0.23                 | 2.05                |
| 2,854.0      | 15.90      | 304.10               | 2,781.8       | 496.8            | 277.9         | -411.8        | 0.34                | 0.23                 | 0.91                |
| 2,898.0      | 15.80      | 307.00               | 2,824.1       | 508.8            | 284.9         | -421.6        | 1.81                | -0.23                | 6.59                |
| 2,940.0      | 15.90      | 307.60               | 2,864.5       | 520.2            | 291.9         | -430.7        | 0.46                | 0.24                 | 1.43                |
| 2,984.0      | 15.60      | 307.60               | 2,906.9       | 532.2            | 299.2         | -440.2        | 0.68                | -0.68                | 0.00                |
| 3,028.0      | 15.40      | 308.20               | 2,949.3       | 543.9            | 306.4         | -449.5        | 0.58                | -0.45                | 1.36                |
| 3,072.0      | 15.10      | 307.70               | 2,991.7       | 555.5            | 313.5         | -458.6        | 0.74                | -0.68                | -1.14               |
| 3,115.0      | 14.90      | 309.60               | 3,033.2       | 566.6            | 320.5         | -467.3        | 1.23                | -0.47                | 4.42                |
| 3,158.0      | 14.70      | 309.40               | 3,074.8       | 577.5            | 327.4         | -475.8        | 0.48                | -0.47                | -0.47               |
| 3,202.0      | 14.60      | 309.50               | 3,117.4       | 588.6            | 334.5         | -484.4        | 0.23                | -0.23                | 0.23                |
| 3,245.0      | 14.10      | 308.10               | 3,159.0       | 599.3            | 341.2         | -492.7        | 1.42                | -1.16                | -3.26               |
| 3,289.0      | 14.10      | 307.60               | 3,201.7       | 610.0            | 347.8         | -501.1        | 0.28                | 0.00                 | -1.14               |
| 3,332.0      | 13.90      | 307.30               | 3,243.4       | 620.4            | 354.1         | -509.4        | 0.49                | -0.47                | -0.70               |
| 3,376.0      | 14.00      | 308.10               | 3,286.1       | 631.0            | 360.6         | -517.8        | 0.49                | 0.23                 | 1.82                |
| 3,420.0      | 13.60      | 307.80               | 3,328.9       | 641.4            | 367.0         | -526.1        | 0.92                | -0.91                | -0.68               |
| 3,464.0      | 13.40      | 307.10               | 3,371.7       | 651.7            | 373.3         | -534.2        | 0.59                | -0.45                | -1.59               |
| 3,507.0      | 13.60      | 307.20               | 3,413.5       | 661.7            | 379.3         | -542.2        | 0.47                | 0.47                 | 0.23                |
| 3,549.0      | 13.50      | 306.30               | 3,454.3       | 671.6            | 385.2         | -550.1        | 0.56                | -0.24                | -2.14               |
| 3,592.0      | 13.60      | 305.40               | 3,496.1       | 681.7            | 391.1         | -558.3        | 0.54                | 0.23                 | -2.09               |
| 3,636.0      | 14.10      | 305.10               | 3,538.8       | 692.2            | 397.2         | -566.9        | 1.15                | 1.14                 | -0.68               |
| 3,679.0      | 14.50      | 306.60               | 3,580.5       | 702.8            | 403.4         | -575.5        | 1.27                | 0.93                 | 3.49                |
| 3,723.0      | 14.50      | 307.50               | 3,623.1       | 713.8            | 410.1         | -584.3        | 0.51                | 0.00                 | 2.05                |
| 3,767.0      | 15.00      | 308.00               | 3,665.6       | 725.0            | 416.9         | -593.1        | 1.17                | 1.14                 | 1.14                |
| 3,811.0      | 15.40      | 307.60               | 3,708.1       | 736.5            | 424.0         | -602.2        | 0.94                | 0.91                 | -0.91               |
| 3,854.0      | 15.70      | 306.80               | 3,749.5       | 748.0            | 431.0         | -611.4        | 0.86                | 0.70                 | -1.86               |



# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 3,898.0      | 16.00      | 305.80               | 3,791.9       | 760.1            | 438.1         | -621.1        | 0.92                | 0.68                 | -2.27               |
| 3,942.0      | 16.30      | 304.80               | 3,834.1       | 772.3            | 445.1         | -631.1        | 0.93                | 0.68                 | -2.27               |
| 3,985.0      | 16.40      | 304.50               | 3,875.4       | 784.4            | 452.0         | -641.1        | 0.30                | 0.23                 | -0.70               |
| 4,029.0      | 16.40      | 304.00               | 3,917.6       | 796.8            | 459.0         | -651.3        | 0.32                | 0.00                 | -1.14               |
| 4,072.0      | 16.70      | 304.50               | 3,958.8       | 809.1            | 465.9         | -661.5        | 0.77                | 0.70                 | 1.16                |
| 4,116.0      | 16.50      | 305.30               | 4,001.0       | 821.6            | 473.1         | -671.8        | 0.69                | -0.45                | 1.82                |
| 4,160.0      | 16.20      | 304.50               | 4,043.2       | 834.0            | 480.2         | -681.9        | 0.85                | -0.68                | -1.82               |
| 4,204.0      | 16.10      | 303.70               | 4,085.5       | 846.3            | 487.1         | -692.1        | 0.55                | -0.23                | -1.82               |
| 4,248.0      | 16.30      | 303.70               | 4,127.7       | 858.5            | 493.9         | -702.3        | 0.45                | 0.45                 | 0.00                |
| 4,290.0      | 16.40      | 303.80               | 4,168.0       | 870.4            | 500.4         | -712.1        | 0.25                | 0.24                 | 0.24                |
| 4,334.0      | 15.80      | 304.00               | 4,210.3       | 882.6            | 507.2         | -722.2        | 1.37                | -1.36                | 0.45                |
| 4,378.0      | 15.10      | 304.60               | 4,252.7       | 894.3            | 513.8         | -731.9        | 1.63                | -1.59                | 1.36                |
| 4,422.0      | 15.10      | 305.50               | 4,295.2       | 905.7            | 520.4         | -741.3        | 0.53                | 0.00                 | 2.05                |
| 4,465.0      | 15.30      | 307.30               | 4,336.7       | 917.0            | 527.1         | -750.4        | 1.19                | 0.47                 | 4.19                |
| 4,508.0      | 15.60      | 307.70               | 4,378.1       | 928.5            | 534.1         | -759.5        | 0.74                | 0.70                 | 0.93                |
| 4,551.0      | 15.60      | 307.50               | 4,419.5       | 940.0            | 541.1         | -768.6        | 0.13                | 0.00                 | -0.47               |
| 4,595.0      | 15.90      | 306.90               | 4,461.9       | 951.9            | 548.4         | -778.1        | 0.78                | 0.68                 | -1.36               |
| 4,639.0      | 16.00      | 307.10               | 4,504.2       | 964.0            | 555.6         | -787.8        | 0.26                | 0.23                 | 0.45                |
| 4,683.0      | 16.30      | 306.00               | 4,546.5       | 976.3            | 562.9         | -797.6        | 0.97                | 0.68                 | -2.50               |
| 4,727.0      | 17.20      | 304.20               | 4,588.6       | 988.9            | 570.2         | -808.0        | 2.36                | 2.05                 | -4.09               |
| 4,771.0      | 17.80      | 303.70               | 4,630.6       | 1,002.2          | 577.6         | -819.0        | 1.41                | 1.36                 | -1.14               |
| 4,814.0      | 17.90      | 303.70               | 4,671.5       | 1,015.3          | 584.9         | -829.9        | 0.23                | 0.23                 | 0.00                |
| 4,858.0      | 17.50      | 303.00               | 4,713.4       | 1,028.7          | 592.3         | -841.1        | 1.03                | -0.91                | -1.59               |
| 4,902.0      | 17.40      | 302.90               | 4,755.4       | 1,041.9          | 599.5         | -852.2        | 0.24                | -0.23                | -0.23               |
| 4,946.0      | 17.80      | 304.10               | 4,797.3       | 1,055.2          | 606.8         | -863.3        | 1.23                | 0.91                 | 2.73                |
| 4,988.0      | 18.00      | 305.20               | 4,837.3       | 1,068.1          | 614.1         | -873.9        | 0.94                | 0.48                 | 2.62                |
| 5,032.0      | 17.80      | 305.90               | 4,879.2       | 1,081.6          | 622.0         | -884.9        | 0.67                | -0.45                | 1.59                |



# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 5,076.0      | 17.90      | 305.80               | 4,921.0       | 1,095.1          | 629.9         | -895.8        | 0.24                | 0.23                 | -0.23               |
| 5,120.0      | 18.40      | 308.50               | 4,962.8       | 1,108.8          | 638.2         | -906.7        | 2.22                | 1.14                 | 6.14                |
| 5,162.0      | 18.80      | 310.40               | 5,002.7       | 1,122.2          | 646.7         | -917.1        | 1.73                | 0.95                 | 4.52                |
| 5,206.0      | 19.10      | 310.20               | 5,044.3       | 1,136.4          | 655.9         | -928.0        | 0.70                | 0.68                 | -0.45               |
| 5,250.0      | 18.90      | 309.80               | 5,085.9       | 1,150.7          | 665.1         | -939.0        | 0.54                | -0.45                | -0.91               |
| 5,293.0      | 18.60      | 309.60               | 5,126.6       | 1,164.5          | 674.0         | -949.6        | 0.71                | -0.70                | -0.47               |
| 5,337.0      | 18.10      | 308.10               | 5,168.3       | 1,178.3          | 682.7         | -960.4        | 1.56                | -1.14                | -3.41               |
| 5,380.0      | 17.60      | 306.10               | 5,209.3       | 1,191.4          | 690.6         | -970.9        | 1.84                | -1.16                | -4.65               |
| 5,424.0      | 17.40      | 305.60               | 5,251.2       | 1,204.7          | 698.4         | -981.6        | 0.57                | -0.45                | -1.14               |
| 5,468.0      | 16.40      | 303.20               | 5,293.3       | 1,217.5          | 705.6         | -992.2        | 2.77                | -2.27                | -5.45               |
| 5,510.0      | 15.50      | 300.60               | 5,333.7       | 1,229.0          | 711.7         | -1,002.0      | 2.74                | -2.14                | -6.19               |
| 5,554.0      | 15.50      | 299.40               | 5,376.1       | 1,240.7          | 717.6         | -1,012.1      | 0.73                | 0.00                 | -2.73               |
| 5,598.0      | 15.80      | 299.10               | 5,418.5       | 1,252.5          | 723.4         | -1,022.5      | 0.71                | 0.68                 | -0.68               |
| 5,642.0      | 16.10      | 300.20               | 5,460.8       | 1,264.5          | 729.4         | -1,033.0      | 0.97                | 0.68                 | 2.50                |
| 5,686.0      | 16.00      | 300.30               | 5,503.1       | 1,276.7          | 735.5         | -1,043.5      | 0.24                | -0.23                | 0.23                |
| 5,729.0      | 15.70      | 300.50               | 5,544.5       | 1,288.4          | 741.4         | -1,053.6      | 0.71                | -0.70                | 0.47                |
| 5,772.0      | 15.70      | 303.10               | 5,585.8       | 1,300.0          | 747.6         | -1,063.5      | 1.64                | 0.00                 | 6.05                |
| 5,816.0      | 15.30      | 302.90               | 5,628.2       | 1,311.7          | 754.0         | -1,073.4      | 0.92                | -0.91                | -0.45               |
| 5,860.0      | 14.80      | 301.20               | 5,670.7       | 1,323.1          | 760.0         | -1,083.1      | 1.52                | -1.14                | -3.86               |
| 5,904.0      | 14.90      | 301.30               | 5,713.3       | 1,334.4          | 765.9         | -1,092.7      | 0.23                | 0.23                 | 0.23                |
| 5,948.0      | 15.00      | 302.10               | 5,755.8       | 1,345.7          | 771.8         | -1,102.4      | 0.52                | 0.23                 | 1.82                |
| 5,991.0      | 14.60      | 300.30               | 5,797.4       | 1,356.7          | 777.5         | -1,111.8      | 1.42                | -0.93                | -4.19               |
| 6,035.0      | 14.60      | 300.50               | 5,839.9       | 1,367.7          | 783.1         | -1,121.3      | 0.11                | 0.00                 | 0.45                |
| 6,078.0      | 14.80      | 299.70               | 5,881.5       | 1,378.6          | 788.6         | -1,130.8      | 0.66                | 0.47                 | -1.86               |
| 6,122.0      | 14.40      | 299.40               | 5,924.1       | 1,389.6          | 794.1         | -1,140.4      | 0.93                | -0.91                | -0.68               |
| 6,208.0      | 14.20      | 302.50               | 6,007.4       | 1,410.8          | 805.0         | -1,158.6      | 0.92                | -0.23                | 3.60                |
| 6,252.0      | 13.40      | 303.70               | 6,050.2       | 1,421.3          | 810.7         | -1,167.4      | 1.93                | -1.82                | 2.73                |





# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 6,296.0      | 13.10      | 303.50               | 6,093.0       | 1,431.4          | 816.3         | -1,175.8      | 0.69                | -0.68                | -0.45               |
| 6,339.0      | 12.80      | 304.80               | 6,134.9       | 1,441.0          | 821.7         | -1,183.8      | 0.97                | -0.70                | 3.02                |
| 6,382.0      | 12.90      | 305.90               | 6,176.8       | 1,450.6          | 827.3         | -1,191.6      | 0.61                | 0.23                 | 2.56                |
| 6,426.0      | 13.00      | 307.50               | 6,219.7       | 1,460.4          | 833.1         | -1,199.5      | 0.85                | 0.23                 | 3.64                |
| 6,469.0      | 13.20      | 310.40               | 6,261.6       | 1,470.1          | 839.3         | -1,207.1      | 1.60                | 0.47                 | 6.74                |
| 6,511.0      | 13.60      | 312.10               | 6,302.4       | 1,479.8          | 845.7         | -1,214.4      | 1.34                | 0.95                 | 4.05                |
| 6,555.0      | 14.00      | 310.90               | 6,345.2       | 1,490.3          | 852.6         | -1,222.3      | 1.12                | 0.91                 | -2.73               |
| 6,599.0      | 14.10      | 309.80               | 6,387.9       | 1,500.9          | 859.6         | -1,230.4      | 0.65                | 0.23                 | -2.50               |
| 6,642.0      | 13.90      | 309.70               | 6,429.6       | 1,511.3          | 866.2         | -1,238.4      | 0.47                | -0.47                | -0.23               |
| 6,686.0      | 13.80      | 309.70               | 6,472.3       | 1,521.8          | 872.9         | -1,246.5      | 0.23                | -0.23                | 0.00                |
| 6,730.0      | 13.70      | 307.30               | 6,515.0       | 1,532.2          | 879.4         | -1,254.7      | 1.32                | -0.23                | -5.45               |
| 6,774.0      | 13.40      | 306.30               | 6,557.8       | 1,542.5          | 885.6         | -1,262.9      | 0.87                | -0.68                | -2.27               |
| 6,818.0      | 13.90      | 307.40               | 6,600.6       | 1,552.9          | 891.9         | -1,271.2      | 1.28                | 1.14                 | 2.50                |
| 6,861.0      | 14.50      | 307.10               | 6,642.3       | 1,563.4          | 898.2         | -1,279.6      | 1.41                | 1.40                 | -0.70               |
| 6,905.0      | 14.20      | 305.50               | 6,684.9       | 1,574.3          | 904.7         | -1,288.4      | 1.13                | -0.68                | -3.64               |
| 6,949.0      | 14.20      | 303.50               | 6,727.5       | 1,585.1          | 910.8         | -1,297.3      | 1.11                | 0.00                 | -4.55               |
| 6,992.0      | 14.10      | 302.70               | 6,769.2       | 1,595.6          | 916.5         | -1,306.1      | 0.51                | -0.23                | -1.86               |
| 7,035.0      | 14.20      | 301.50               | 6,810.9       | 1,606.1          | 922.1         | -1,315.0      | 0.72                | 0.23                 | -2.79               |
| 7,078.0      | 14.50      | 301.10               | 6,852.6       | 1,616.7          | 927.7         | -1,324.1      | 0.73                | 0.70                 | -0.93               |
| 7,121.0      | 14.60      | 301.30               | 6,894.2       | 1,627.5          | 933.3         | -1,333.4      | 0.26                | 0.23                 | 0.47                |
| 7,163.0      | 14.40      | 303.80               | 6,934.9       | 1,638.0          | 938.9         | -1,342.2      | 1.56                | -0.48                | 5.95                |
| 7,206.0      | 14.00      | 306.00               | 6,976.6       | 1,648.6          | 945.0         | -1,350.9      | 1.56                | -0.93                | 5.12                |
| 7,249.0      | 14.00      | 306.70               | 7,018.3       | 1,659.0          | 951.1         | -1,359.3      | 0.39                | 0.00                 | 1.63                |
| 7,291.0      | 14.20      | 306.80               | 7,059.0       | 1,669.2          | 957.2         | -1,367.5      | 0.48                | 0.48                 | 0.24                |
| 7,335.0      | 14.20      | 308.50               | 7,101.7       | 1,680.0          | 963.8         | -1,376.0      | 0.95                | 0.00                 | 3.86                |
| 7,379.0      | 14.50      | 311.10               | 7,144.3       | 1,690.9          | 970.8         | -1,384.4      | 1.62                | 0.68                 | 5.91                |
| 7,423.0      | 15.00      | 311.10               | 7,186.9       | 1,702.0          | 978.2         | -1,392.8      | 1.14                | 1.14                 | 0.00                |



# Payzone Directional End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

## Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| 7,467.0      | 15.20      | 311.40               | 7,229.3       | 1,713.4          | 985.7         | -1,401.4      | 0.49                | 0.45                 | 0.68                |
| 7,510.0      | 15.50      | 309.50               | 7,270.8       | 1,724.7          | 993.1         | -1,410.1      | 1.36                | 0.70                 | -4.42               |
| 7,553.0      | 16.00      | 309.40               | 7,312.2       | 1,736.4          | 1,000.5       | -1,419.1      | 1.16                | 1.16                 | -0.23               |
| 7,596.0      | 16.30      | 310.80               | 7,353.5       | 1,748.3          | 1,008.2       | -1,428.3      | 1.14                | 0.70                 | 3.26                |
| 7,640.0      | 16.40      | 312.50               | 7,395.7       | 1,760.6          | 1,016.5       | -1,437.5      | 1.11                | 0.23                 | 3.86                |
| 7,683.0      | 16.20      | 312.60               | 7,437.0       | 1,772.6          | 1,024.6       | -1,446.4      | 0.47                | -0.47                | 0.23                |
| 7,727.0      | 16.40      | 311.20               | 7,479.2       | 1,784.8          | 1,032.9       | -1,455.6      | 1.00                | 0.45                 | -3.18               |
| 7,771.0      | 17.30      | 310.10               | 7,521.3       | 1,797.5          | 1,041.2       | -1,465.3      | 2.17                | 2.05                 | -2.50               |
| 7,815.0      | 17.20      | 309.50               | 7,563.3       | 1,810.5          | 1,049.5       | -1,475.3      | 0.46                | -0.23                | -1.36               |
| 7,859.0      | 16.80      | 309.40               | 7,605.4       | 1,823.3          | 1,057.7       | -1,485.2      | 0.91                | -0.91                | -0.23               |
| 7,901.0      | 16.70      | 308.20               | 7,645.6       | 1,835.4          | 1,065.3       | -1,494.7      | 0.86                | -0.24                | -2.86               |
| 7,945.0      | 16.70      | 307.10               | 7,687.8       | 1,848.1          | 1,073.0       | -1,504.7      | 0.72                | 0.00                 | -2.50               |
| 7,989.0      | 16.90      | 305.30               | 7,729.9       | 1,860.8          | 1,080.5       | -1,514.9      | 1.27                | 0.45                 | -4.09               |
| 8,033.0      | 17.10      | 306.60               | 7,772.0       | 1,873.6          | 1,088.1       | -1,525.4      | 0.98                | 0.45                 | 2.95                |
| 8,076.0      | 17.00      | 307.00               | 7,813.1       | 1,886.2          | 1,095.6       | -1,535.4      | 0.36                | -0.23                | 0.93                |
| 8,120.0      | 17.00      | 306.80               | 7,855.2       | 1,899.1          | 1,103.4       | -1,545.7      | 0.13                | 0.00                 | -0.45               |
| 8,164.0      | 17.00      | 307.30               | 7,897.3       | 1,911.9          | 1,111.1       | -1,556.0      | 0.33                | 0.00                 | 1.14                |
| 8,208.0      | 16.90      | 306.70               | 7,939.3       | 1,924.8          | 1,118.8       | -1,566.2      | 0.46                | -0.23                | -1.36               |
| 8,251.0      | 16.40      | 304.50               | 7,980.5       | 1,937.1          | 1,126.0       | -1,576.3      | 1.87                | -1.16                | -5.12               |
| 8,295.0      | 15.40      | 303.10               | 8,022.9       | 1,949.1          | 1,132.7       | -1,586.3      | 2.43                | -2.27                | -3.18               |
| 8,339.0      | 14.70      | 302.20               | 8,065.3       | 1,960.5          | 1,138.9       | -1,595.9      | 1.68                | -1.59                | -2.05               |
| 8,383.0      | 13.90      | 300.70               | 8,108.0       | 1,971.4          | 1,144.5       | -1,605.2      | 2.00                | -1.82                | -3.41               |
| 8,425.0      | 12.90      | 298.70               | 8,148.8       | 1,981.1          | 1,149.4       | -1,613.6      | 2.62                | -2.38                | -4.76               |
| 8,469.0      | 12.00      | 296.60               | 8,191.8       | 1,990.5          | 1,153.8       | -1,622.0      | 2.29                | -2.05                | -4.77               |
| 8,513.0      | 11.20      | 294.10               | 8,234.9       | 1,999.2          | 1,157.6       | -1,630.0      | 2.15                | -1.82                | -5.68               |
| 8,556.0      | 10.70      | 292.20               | 8,277.1       | 2,007.2          | 1,160.8       | -1,637.5      | 1.43                | -1.16                | -4.42               |
| 8,599.0      | 10.30      | 289.60               | 8,319.4       | 2,014.8          | 1,163.6       | -1,644.8      | 1.44                | -0.93                | -6.05               |



Payzone Directional  
End of Well Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 4 T4S, R4W  
**Well:** 2-4-4-4W  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well 2-4-4-4W  
**TVD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**MD Reference:** 2-4-4-4w @ 5656.0usft (CAPSTAR 329)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 5000.1 Single User Db

| Survey       |            |                      |               |                  |               |               |                     |                      |                     |
|--------------|------------|----------------------|---------------|------------------|---------------|---------------|---------------------|----------------------|---------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | V. Sec<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) |
| 8,628.0      | 10.20      | 289.30               | 8,347.9       | 2,019.8          | 1,165.3       | -1,649.7      | 0.39                | -0.34                | -1.03               |
| 8,688.0      | 10.20      | 289.30               | 8,407.0       | 2,030.0          | 1,168.8       | -1,659.7      | 0.00                | 0.00                 | 0.00                |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

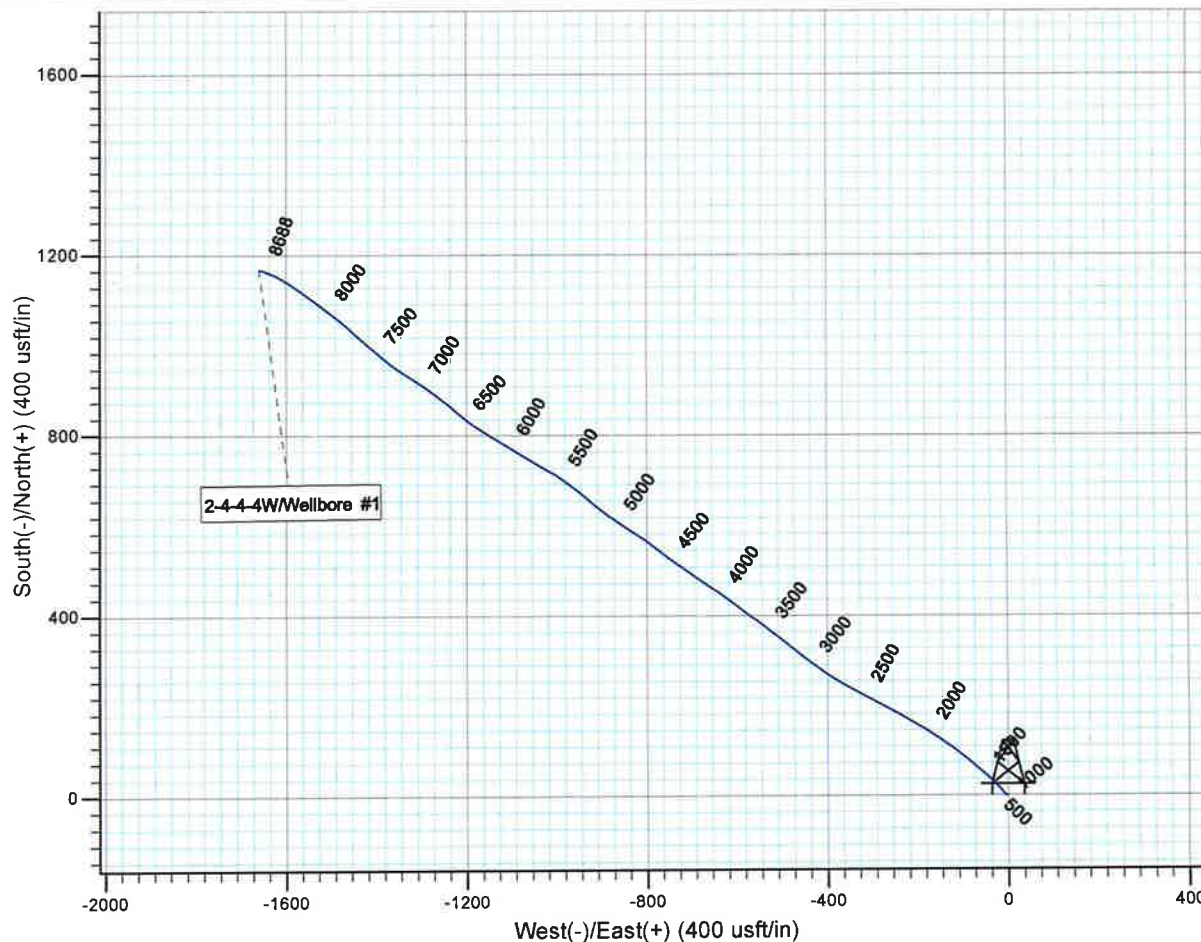
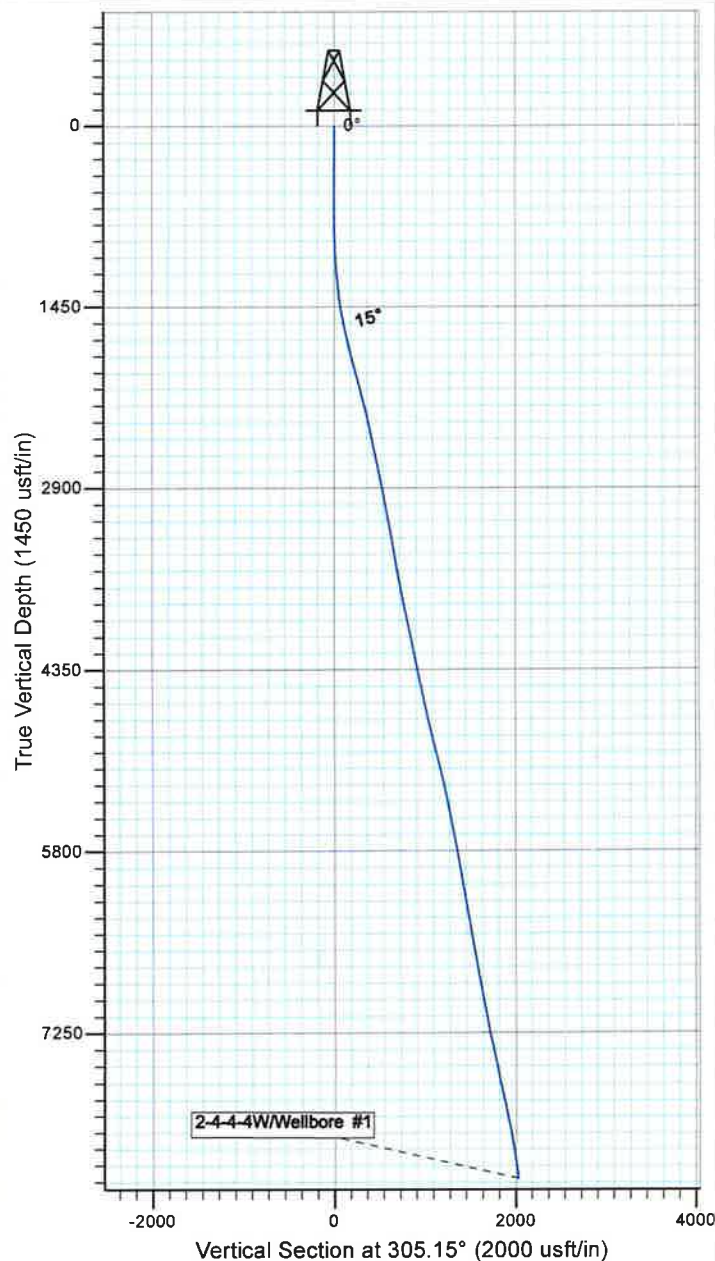


Project: USGS Myton SW (UT)  
 Site: SECTION 4 T4S, R4W  
 Well: 2-4-4-W  
 Wellbore: Wellbore #1  
 Design: Actual



Azimuths to True North  
 Magnetic North: 11.08°

Magnetic Field  
 Strength: 52017.8snT  
 Dip Angle: 65.77°  
 Date: 4/11/2014  
 Model: IGRF2010



Design: Actual (2-4-4-W/Wellbore #1)

Created By: Matthew Linton

Date: 8:30, May 13 2014

THIS SURVEY IS CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND IS SUPPORTED  
 BY ACTUAL FIELD DATA

Sundry Number : 52661 API Well Number : 43013509300000





Well Name: Ute Tribal 2-4-4-4W

## Summary Rig Activity

|              |                |              |
|--------------|----------------|--------------|
| Job Category | Job Start Date | Job End Date |
|              |                |              |

## Daily Operations

|                                |                              |  |
|--------------------------------|------------------------------|--|
| Report Start Date<br>5/23/2014 | Report End Date<br>5/24/2014 | 24hr Activity Summary<br>Run CBL and test CSG/BOPS.  |
| Start Time<br>00:00            | End Time<br>06:00            | Comment<br>SDFN  |
| Start Time<br>06:00            | End Time<br>06:30            | Comment<br>Safety Meeting  |
| Start Time<br>06:30            | End Time<br>08:30            | Comment<br>RU FRAC STACK   |
| Start Time<br>08:30            | End Time<br>10:30            | Comment<br>RU PERFORATORS WIRELINE, MU & RIH W/ CEMENT BOND LOG TOOLS, TAG @ 8555', PBTD @ 8586', LOG WELL W/ 0 PSI, LOG SHORT JOINT @ 5104'-17', ESTIMATED CEMENT TOP @ 430', LD LOGGING TOOLS, SWI   |
| Start Time<br>10:30            | End Time<br>13:00            | Comment<br>RU B&C TEST UNIT, TEST HYD CHAMBERS ON BOPS, TEST CSG, FRAC STACK & ALL COMPONENTS TO 250 PSI 5-MIN LOW & 6500 PSI 10 & 30-MIN HIGHS, ALL GOOD  |
| Start Time<br>13:00            | End Time<br>14:00            | Comment<br>MU & RIH W/ 3 1/8" DISPOSABLE SLICK GUNS ( .34 EHD, 16 GR CHG, 21" PEN, 3 SPF), PERFORATE WASATCH @ 8510-13', 8480-82', 8450-52', 8434-35', 8424-8425', 8415-16' ( 30-HOLES), POOH W/WIRELINE, LD PERF GUNS, SWI, RD WIRELINE   |
| Start Time<br>14:00            | End Time<br>00:00            | Comment<br>SDFN  |
| Report Start Date<br>5/27/2014 | Report End Date<br>5/28/2014 | 24hr Activity Summary<br>Frac stages 1. RIH and perf stg 2. FB to pit.   |
| Start Time<br>00:00            | End Time<br>06:00            | Comment<br>SDFN  |
| Start Time<br>06:00            | End Time<br>06:30            | Comment<br>Safety Meeting  |
| Start Time<br>06:30            | End Time<br>11:30            | Comment<br>Downtime due to uninstalling a tbq spool and installing Nabors 7" 10K X 5" 1502 adapter spool below their frac head.  |
| Start Time<br>11:30            | End Time<br>11:45            | Comment<br>( Stg #1 Slickwater Hybrid 17# Frac) (Wasatch) Press test lines to 6500 psi, Open well w/ 204 psi, Break down formation w/ 2.7 bbls fresh @ 3.6 bpm and 3583 psi, Pumped 11.9 bbls of HCL in pad from which we saw a 800 psi decrease of pressure. Had to shutdown after 298 bbls gone.   |
| Start Time<br>11:45            | End Time<br>15:00            | Comment<br>Had to shut down to swap out pumps. Pump wouldn't go into gear and we could only get an established rate of 45 BPM. After the pump was swapped out with the spare pump, the spare wouldn't run. Had to trouble shoot the fuel system. After getting the pump running, we opened up the well and started into stage 1. Had to shut down again after 408.9 Tot bbls wtr pumped. The fuel tank was overflowing from the return line. Decided to bring back in the other pump after it was fixed. |
| Start Time<br>15:00            | End Time<br>16:30            | Comment<br>Start back into fracing stage 1. Frac'd well w/ 2054.5 bbls slickwater and 130 bbls 17# gel fld, Pumped 57,747# 20/40 white sand in formation, ISIP 3298 psi, F.G. .83, Max press 6125 psi, Avg press 4325 psi, Max rate 51.5, Avg rate 48.9 bpm, Tot pumped 2184.5, TFTR 2380.1  |
| Start Time<br>16:30            | End Time<br>17:30            | Comment<br>FB well for 55 min. @ 3.5 BPM. Recovered 192.5 bbls. 2187.6 TFTR  |
| Start Time<br>17:30            | End Time<br>18:00            | Comment<br>Flushed WB w/201 bbls of fresh water to clear WB for WL. 2388.6 TFTR  |





Well Name: Ute Tribal 2-4-4-4W

## Summary Rig Activity

|   |                 |                                     |
|---|-----------------|-------------------------------------|
|   |                 |                                     |
| Start Time  | 18:00           | End Time                            |
|   |                 | 19:00                               |
| Comment<br>(Stg #2), RU The Perforators wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 120 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 8380', Perforate BSCARB sands @ 8340-43', 8318-20', 8290-92', and 8280-82', ( 27-Holes), POOH RD wireline, SWI   |                 |                                     |
| Start Time  | 19:00           | End Time                            |
|   |                 | 19:30                               |
| Comment<br>CUSL(Clean up and Secure Lease)  |                 |                                     |
| Start Time  | 19:30           | End Time                            |
|   |                 | 00:00                               |
| Comment<br>SDFN   |                 |                                     |
| Report Start Date   | Report End Date | 24hr Activity Summary               |
| 5/28/2014   | 5/29/2014       | Frac stgs 2-6. FB well and MIRUWOR. |
| Start Time  | 00:00           | End Time                            |
|   |                 | 07:00                               |
| Comment<br>SDFN   |                 |                                     |
| Start Time  | 07:00           | End Time                            |
|   |                 | 07:30                               |
| Comment<br>Safety Meeting   |                 |                                     |
| Start Time  | 07:30           | End Time                            |
|   |                 | 08:30                               |
| Comment<br>(Stg #2 Slickwater/17# Hybrid Frac) (BSCARB ), RU Nabors frac equipment, Press test lines to 6500 psi, Open well w/ 2723 psi, Break down formation w/ 1.9 bbls slickwater fld @ 2.3 bpm @ 4329 psi, No shut down for ISDP. Frac well w/ 1230 bbls fresh and had to go to flush pre screen out. Screened out with 30,000 of sand pumped away.       |                 |                                     |
| Start Time  | 08:30           | End Time                            |
|   |                 | 09:30                               |
| Comment<br>Stg 2 screenout flowback 120 bbls. SWI due to the choke tee washing out. Called to get a new one coming. Decided to try and get back into stg 2 while waiting for the choke tee to show up.  |                 |                                     |
| Start Time  | 09:30           | End Time                            |
|   |                 | 11:00                               |
| Comment<br>Tried to get back into stg 2. Pressure lined out a 4300 psi @ 18 bpm so we started pumping x-link gel. Pumped 40,394# of sand into formation. Screened out with 70 bbls left in flush. RU to FB WB volume for stg 2.   |                 |                                     |
| Start Time  | 11:00           | End Time                            |
|   |                 | 13:15                               |
| Comment<br>Flowback WB at 3.5 bpm. Recovered 210 bbls. Nabors repaired the valves in a pump while flowing back the well.  |                 |                                     |
| Start Time  | 13:15           | End Time                            |
|   |                 | 13:45                               |
| Comment<br>Flush stg 2 w/ 193 bbls fresh water spotting 11.9 bbls of HCL for the next stage. Pumped a total of 71,434# of sand into stg 2. Max press 6004 psi, Avg press 4606 psi, Max rate 19.1, Avg rate 17.9, Tot wtr pumped: 2632.52, TWTR: 5259.62   |                 |                                     |
| Start Time  | 13:45           | End Time                            |
|   |                 | 14:45                               |
| Comment<br>(Stg #3), RU The Perforators, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 8240', Perforate CP Limestone @ 8193-95', 8168-70', 8152-54', 8111-12', 8094-95', 8069-70', and 8050-51' ( 30-Holes)', POOH RD ireline, SWI                         |                 |                                     |
| Start Time  | 14:45           | End Time                            |
|   |                 | 15:15                               |
| Comment<br>( Stg #3 Slickwater/ Hybrid 17# Frac) ( CP Limestone ), RU Nabors frac equipment, Press test lines to 6500 psi, Open well w/ 519 psi, Break down formation w/ 3.8 bbls fresh @ 2.4 bpm @ 4508 psi, No ISDP. Frac well w/ 717 bbls fresh fld and 485 bbls gelled fluid and then had to shutdown to troubleshoot the fluid system.                   |                 |                                     |
| Start Time  | 15:15           | End Time                            |
|   |                 | 15:30                               |
| Comment<br>Had to shutdown to trouble shoot why the gelled fld wasn't cross linking. Found out the ph was off and the ph tester had broken. Fixed problem and got back into stg 3.  |                 |                                     |
| Start Time  | 15:30           | End Time                            |
|   |                 | 16:15                               |
| Comment<br>Got back into stg 3. Pumped ttl of 180,011# 30/50 white sand in formation, ISIP 3404 psi, Fg .86, Max press 46514651 psi, Avg press 3812 psi, Max rate 51.7, Avg rate 43.2, TBWP: 2592.88 BWTR: 7852.50  |                 |                                     |
| Start Time  | 16:15           | End Time                            |
|   |                 | 17:30                               |
| Comment<br>(Stg #4), RU The Perforators wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns (.34 EHD, 180 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 7990', Perforate CP3, CP2, CPLS, and LBLKSH formation @ 7918-19', 7893-97', 7832-34', 7823-24', 7664-65', and 7630-31' ( 30-Holes)', POOH RD wireline, SWI |                 |                                     |



Well Name: Ute Tribal 2-4-4W

## Summary Rig Activity

|  |                 |   |
|--|-----------------|---|
|  |                 |   |
| Start Time   | 17:30           | End Time  |
|  |                 | 18:00   |
| Comment<br>( Stg #4 slickwater/hybrid 17# Frac ) ( CP#,CP@,CPLS, LBLKSH ), RU Nabors frac equipment, Press test lines to 6500 psi, Open well w/ 2124 psi, Break down formation w/ 2.1 bbls freshwater @ 3.1 bpm @ 2674 psi, Reached 80% rate and shutdown. ISDP: 2429 FG: .79. Frac well w/ 1092.3 bbls, Pumped ttl of 52,938# 30/50 white sand in formation, ISIP 2662 psi, F.G. .79 Max press 4109 psi, Avg press 3618 psi, Max rate 51, Avg rate 47.6, pumped 1064.4, BWTR 8916.9   |                 |   |
| Start Time   | 18:00           | End Time  |
|  |                 | 19:00   |
| Comment<br>(Stg #5), RU The Perforators wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns ( .34 EHD, 180 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 6950', Perforate BLS and C-Sands @ 7247-50', 7220-22', 7110-12', 7066-67', 7031-32', and 7008-09' ( 30-Holes)', POOH RD wireline, SWI  |                 |   |
| Start Time   | 19:00           | End Time  |
|  |                 | 19:30   |
| Comment<br>( Stg #5 Slickwater/ Hybrid 17# Frac ) ( BLS, C-Sand ), RU Nabors frac equipment, Press test lines to 6500 psi, Open well w/ 2117 psi, Break down formation w/ 3.5 bbls freshwater @ 5.7 bpm @ 4312 psi, Reached 80% rate and shutdown. ISDP: 1785 FG: .69. Frac well w/ 1171.1 bbls, Pumped ttl of 67,620# 30/50 white sand in formation, ISIP 1900 psi, F.G. .71 Max press 3135 psi, Avg press 2739 psi, Max rate 47.4, Avg rate 46.7, pumped 1116.9 bbls, BWTR 10,033.8 bbls                                       |                 |   |
| Start Time   | 19:30           | End Time  |
|  |                 | 20:45   |
| Comment<br>(Stg #6), RU The Perforators wireline, Press test lube to 4,000 psi, MU RIH w/ 3 1/8" disposable slick guns ( .34 EHD, 180 deg phasing, 16 gram charges, 3 spf) Set WFT 5 1/2" 6K CFTP @ 6950', Perforate D2 and D1 sands @ 6886-89', 6842-44', 6824-25', 6804-05', 6795-96', 6775-76', and 6765-66' (30-Holes)', POOH RD wireline, SWI   |                 |   |
| Start Time   | 20:45           | End Time  |
|  |                 | 21:15   |
| Comment<br>( Stg #6 Slickwater/ Hybrid 17# Frac ) ( D2 and D1 ), RU Nabors frac equipment, Press test lines to 6500 psi, Open well w/ 1523 psi, Break down formation w/ 3.3 bbls freshwater @ 4.2 bpm @ 1748 psi, Reached 80% rate and shutdown. ISDP: 1529 FG: .67. Frac well w/ 1165.7 bbls, Pumped ttl of 70,658# 30/50 white sand in formation, ISIP 1746 psi, F.G. .7, 5 min: 1538, 10 min: 1494, 15 min: 1472 Max press 3025 psi, Avg press 2606 psi, Max rate 51.5, Avg rate 50.5, pumped 1097.9 bbls, BWTR 11,131.7 bbls |                 |   |
| Start Time   | 21:15           | End Time  |
|  |                 | 00:00   |
| Comment<br>Open well to flowback tanks @ approx 3 bpm. Recovered 495 bbls so far.No oil. RDMO Nabors frac while flowing back well. Left the WLT and crane rigged up to set KP's in the morning.  |                 |   |
| Report Start Date  | Report End Date | 24hr Activity Summary   |
| 5/29/2014  | 5/30/2014       | FB well to pit and FT. Transfer fld in the tanks, haul out tanks, move sand master, RIH and set 2 KP's, haul pit and tank to disposal, BO well, ND frac stack, NU BOPS, test BOPS, unload tbg, MIRUWOR, RU floor and tbg equip. Prep and tally tbg, RU pump and tank package. |
| Start Time   | 00:00           | End Time  |
|  |                 | 11:30   |
| Comment<br>Continue FB to pit and FT. FB @ 3 BPM. Recovered 2070 BW. 8566.7 BWTR. Saw trace yellow oil in the last 100 bbls and turned to black oil in the last 30 bbls. Transfer fld in the frac tanks, hauled out 16 empty tanks from the back of location and spotted the pump package where the tanks sat. Hauled out fld from the FB tank and pit to disposal.  |                 |   |
| Start Time   | 11:30           | End Time  |
|  |                 | 12:00   |
| Comment<br>Hold safety meeting.  |                 |   |
| Start Time   | 12:00           | End Time  |
|  |                 | 14:30   |
| Comment<br>RU PERFORATORS WIRELINE, SWI AND NU LUBRICATOR TO RIH AND SET A KILL PLUG @ 6740', POOH AND LAY DOWN TOOLS. LOAD ANOTHER KP, NU LUBRICATOR AND RIH TO SET KP @ 6730', RD WIRE LINE TRUCK AND CRANE, RD ROCKWATER FB IRON.   |                 |   |
| Start Time   | 14:30           | End Time  |
|  |                 | 16:00   |
| Comment<br>RD 10K STACK, RU 5K BLIND RAM, BOP, ANNULAR BOP.  |                 |   |
| Start Time   | 16:00           | End Time  |
|  |                 | 17:00   |
| Comment<br>UNLOAD 272 JNTS 2 7/8" L-80 TBG, START TESTING STACK (B&C)  |                 |   |
| Start Time   | 17:00           | End Time  |
|  |                 | 18:00   |
| Comment<br>SIRU/ DERRICK INSPECTION  |                 |   |



Well Name: Ute Tribal 2-4-4W

## Summary Rig Activity

|   |                 |  |
|---|-----------------|--|
|   |                 |  |
| Start Time  | 18:00           | End Time   |
|   |                 | 19:00  |
| Comment   |                 |  |
| RU WORKFLOOR, RU TBG EQUIPMENT, FINISH TESTING STACK (B&C)  |                 |  |
| Start Time  | 19:00           | End Time   |
|   |                 | 20:00  |
| Comment   |                 |  |
| PREP/ TALLEY TBG, HOOK UP PUMP AND RETURN LINES.  |                 |  |
| Start Time  | 20:00           | End Time   |
|   |                 | 20:30  |
| Comment   |                 |  |
| CUSL  |                 |  |
| Start Time  | 20:30           | End Time   |
|   |                 | 00:00  |
| Comment   |                 |  |
| SDFN  |                 |  |
| Report Start Date   | Report End Date | 24hr Activity Summary  |
| 5/30/2014   | 5/31/2014       | PU and RIH to DO/CO to PBTD.   |
| Start Time  | 00:00           | End Time   |
|   |                 | 06:00  |
| Comment   |                 |  |
| SDFN  |                 |  |
| Start Time  | 06:00           | End Time   |
|   |                 | 07:00  |
| Comment   |                 |  |
| Safety Shutdown at the Newfield Office.   |                 |  |
| Start Time  | 07:00           | End Time   |
|   |                 | 08:00  |
| Comment   |                 |  |
| Travel out to location, start equipment, JSA and safety meeting.  |                 |  |
| Start Time  | 08:00           | End Time   |
|   |                 | 11:30  |
| Comment   |                 |  |
| PU RIH W/ 4 3/4" CHOMP BIT, POBS, 1 JNT, XN, 1 JNT, X NIPPLE, 207 MORE JNTS 2 7/8" L-80 TBG, TAGGING FIRST KILL PLUG @ 6730, FILLING TBG EACH ROW.  |                 |  |
| Start Time  | 11:30           | End Time   |
|   |                 | 12:00  |
| Comment   |                 |  |
| RU POWER SWIVEL, FILL HOLE  |                 |  |
| Start Time  | 12:00           | End Time   |
|   |                 | 19:00  |
| Comment   |                 |  |
| DRILL OUT FIRST KILL PLUG, (20 MIN) SWIVEL LOOSING THROTTLE, CALLED FOR MECHANIC, DRILL OUT SECOND KILL PLUG (30MIN), 1000 PSI UNDER PLUG, SWIVEL IN 7 JNTS TAGGING FIRST FLOW THROUGH @ 6950 JNT 216, DRILL OUT PLUG 25MIN, MECHANIC LOOKING @ SWIVEL, COMPUTER PROBLEMS, RD SWIVEL, PU 11 JNTS TAGGING NEXT PLUG @ 7320 JNT 227, RU NEW SWIVEL, DRILL OUT PLUG 15 MIN, HANG SWIVEL BACK PU 21 JNTS TAGGING NEXT PLUG @ 7990 JNT 248, DRILL OUT PLUG 20MIN, SWIVEL IN 5 JNTS TAGGING 100 FT OF FILL ON PLUG (SOLID PLUG) @ 8240, DRILL OUT PLUG 20 MIN, 800 PSI UNDER PLUG, SWIVEL IN 4 JNTS TAGGING LAST PLUG @ 8380, JNT 260, DRILL OUT PLUG 25MIN, SWIVEL IN 3 JNTS, TAGGING 100' OF IFLL ON PBTD, CLEAN OUT TO PBTD @ 8586'. |                 |  |
| Start Time  | 19:00           | End Time   |
|   |                 | 20:30  |
| Comment   |                 |  |
| CIRCULATE 200 BBLS UNTIL RETURNS WERE CLEAN.  |                 |  |
| Start Time  | 20:30           | End Time   |
|   |                 | 22:00  |
| Comment   |                 |  |
| TRY POOH, ONLY ABLE TO PULL 30' TBG HANGING UP, WORKING UP AND DWN 30' UNABLE TO WORK FREE, HOOK UP PUMP, WORKING TBG FREE WHILE PUMPING, PULL TO DERRICK W/ 29 STANDS, SWIFN, EOT @ 6709'.   |                 |  |
| Start Time  | 22:00           | End Time   |
|   |                 | 22:30  |
| Comment   |                 |  |
| CUSL  |                 |  |
| Start Time  | 22:30           | End Time   |
|   |                 | 00:00  |
| Comment   |                 |  |
| SDFN  |                 |  |
| Report Start Date   | Report End Date | 24hr Activity Summary  |
| 6/2/2014  | 6/3/2014        | Kill well and md trip for prod string. Land prod string. Prep to run rods. |
| Start Time  | 00:00           | End Time   |
|   |                 | 06:30  |
| Comment   |                 |  |
| SDFN  |                 |  |
| Start Time  | 06:30           | End Time   |
|   |                 | 07:00  |
| Comment   |                 |  |
| Safety Meeting  |                 |  |
| Start Time  | 07:00           | End Time   |
|   |                 | 08:00  |
| Comment   |                 |  |
| WELL FLOWING 140 PSI, WAIT ON ORDERS, X-O OIL IN RIG WHILE WAITING  |                 |  |



## Summary Rig Activity

Well Name: Ute Tribal 2-4-4W

|                   |                 |  |       |
|-------------------|-----------------|--|-------|
|                   |                 |  |       |
| Start Time        | 08:00           | End Time   | 10:00 |
|                   |                 | Comment<br>ORDER 400 BBLs BRINE, RIH W/ 26 STANDS OUT OF DERRICK, PU 6 JNTS OFF RACKS, 6 NEW FT OF FILL, CLEAN OUT FILL  |       |
| Start Time        | 10:00           | End Time   | 12:00 |
|                   |                 | Comment<br>ROLL 220 BBLs BRINE, UNTIL STRAIGHT WATER COMING OUT RETURNS, SHUT WELL IN FOR 10 MIN, O PSI  |       |
| Start Time        | 12:00           | End Time   | 14:30 |
|                   |                 | Comment<br>LD 9 JNTS ON RACKS POOH TO DERRICK W/ 263 JNTS LD BHA   |       |
| Start Time        | 14:30           | End Time   | 17:00 |
|                   |                 | Comment<br>RIH W/ PERGE, 1 JNT, # 3 DESANDER, 4' SUB, 1 JNT, SN, 1 JNT, TAC, 260 MORE JNTS L-80 TBG, ADDING 4' SUB TO STRING AND SETTING TAC FROM WORKFLOOR  |       |
| Start Time        | 17:00           | End Time   | 19:00 |
|                   |                 | Comment<br>RD WORKFLOOR, ND ANNULAR BAG, ND BOP, ND BLIND RAM, REMOVE 4' SUB FROM WELL, LAND WELL, NU WELLHEAD, 13' KB, HANGER, 260 JNTS, TAC @ 8396.6, 1 JNT, SN @ 8431.61, 1 JNT, 4' SUB, DESANDER, 1 JNT, PURGE VALVE, EOT @ 8518.09, X-O ROD EQUIPMENT, SWIFN.   |       |
| Start Time        | 19:00           | End Time   | 19:30 |
|                   |                 | Comment<br>CUSL  |       |
| Start Time        | 19:30           | End Time   | 00:00 |
|                   |                 | Comment<br>SDFN  |       |
| Report Start Date | Report End Date | 24hr Activity Summary  |       |
| 6/3/2014          | 6/4/2014        | Rig on standby. Waiting for rods from the guide shop.  |       |
| Start Time        | 00:00           | End Time   | 07:00 |
|                   |                 | Comment<br>SDFN  |       |
| Start Time        | 07:00           | End Time   | 07:30 |
|                   |                 | Comment<br>Safety Meeting  |       |
| Start Time        | 07:30           | End Time   | 10:30 |
|                   |                 | Comment<br>SD by Production. Waiting to hear back from production on what kind of rods they want to run in the hole. Decided to run rods that won't be ready and delivered until 12:00 tomorrow. Put rig on standby until then.  |       |
| Start Time        | 10:30           | End Time   | 11:00 |
|                   |                 | Comment<br>CUSL  |       |
| Start Time        | 11:00           | End Time   | 00:00 |
|                   |                 | Comment<br>SDFN  |       |
| Report Start Date | Report End Date | 24hr Activity Summary  |       |
| 6/4/2014          | 6/5/2014        | Rig on standby. Waiting for rods to finish at the guide shop.  |       |
| Start Time        | 00:00           | End Time   | 07:00 |
|                   |                 | Comment<br>SDFN  |       |
| Start Time        | 07:00           | End Time   | 07:30 |
|                   |                 | Comment<br>Called Runners to make sure that the rods were still on schedule for delivery today at 12:00. I was informed that the guide shop wouldn't be done until late this afternoon and the rods wouldn't be delivered until 17:00. Consulted with Gary Dietz and decided to leave the rig home on standby for the rest of the day. |       |
| Start Time        | 07:30           | End Time   | 17:00 |
|                   |                 | Comment<br>Rig on standby.   |       |
| Start Time        | 17:00           | End Time   | 00:00 |
|                   |                 | Comment<br>SDFN  |       |
| Report Start Date | Report End Date | 24hr Activity Summary  |       |
| 6/5/2014          | 6/6/2014        | Run pump and rods. PWOP.   |       |
| Start Time        | 00:00           | End Time   | 06:30 |
|                   |                 | Comment<br>SDFN  |       |
| Start Time        | 06:30           | End Time   | 07:00 |
|                   |                 | Comment<br>Safety Meeting  |       |



## Summary Rig Activity

Well Name: Ute Tribal 2-4-4W

|            |       |          |       |  |
|------------|-------|----------|-------|--|
| Start Time | 07:00 | End Time | 09:00 | Comment  |
|            |       |          |       | UNLOAD 62 3/4" 6PERS OFF OLD TRAILER, SPOT IN NEW ROD TRAILER, PREP TRAILER  |
| Start Time | 09:00 | End Time | 12:00 | Comment  |
|            |       |          |       | PURIH W/ 2.5 X 1.75 X 24' RHAC PUMP, 30 7/8" 8PERS, 152 3/4" 8PERS, 62 3/4" 6PERS, 92 7/8" 8PERS, PU 1 1/2" X 30' POLISH |
| Start Time | 12:00 | End Time | 13:00 | Comment  |
|            |       |          |       | UNIT WOULDNT ROLL, BRIDAL HEAD, RU UNIT  |
| Start Time | 13:00 | End Time | 14:00 | Comment  |
|            |       |          |       | Rig / Equipment Down   |
| Start Time | 14:00 | End Time | 15:00 | Comment  |
|            |       |          |       | RACK OUT PUMP, CLEAN UP LOCATION. RDMO. PWOP.  |
| Start Time | 15:00 | End Time | 00:00 | Comment  |
|            |       |          |       | SDFN   |